



# Tau Beta Pi

## Chapter Survey Project Reports

### Iowa Alpha Chapter

### 2021-2022



Pi Mile Run



Roller Coaster Competition



Pi Day Celebration



Adopt a Highway

## President's Letter



**Tau Beta Pi**  
The Engineering Honor Society Iowa Alpha Chapter

May 31, 2022

Dear All,

Iowa Alpha (IAA) has endured another year of unprecedented challenges, but it has, in many ways, been a restorative year. This year the chapter began to return to “business as usual” after the worldwide pandemic. In a group effort, we reimplemented many of the things that made IAA great, as well as adding what we hope will become new traditions. All of which, I will summarize below.

In the fall, IAA worked once more to host the Pi Mile Run 5K in collaboration with Engineers’ Week. While we didn’t reach the greater community like we had hoped, the event was nonetheless successful with a variety of young adult participants. Many of whom were pleased to receive a free pie slice and medal for their efforts. IAA also revived its tradition of Free Coffee Fridays (FCF), where students and faculty alike could obtain free coffee, tea, or hot chocolate on select Fridays. Through this revival, the chapter obtained valuable experience with regards to event advertising and ideal event locations. For example, the chapter saw more success in a campus building with a bigger atrium that had greater through traffic. Unfortunately, IAA was unable to revive Building the Future, our fall K-12 outreach event. However, the return of Building the Future looks promising after spring semester successes.

In the spring, IAA continued FCF, participated in Pi Day, returned to an in-person Rollercoaster Competition, and hosted the chapter’s first Engineering Gala. For Pi Day, IAA distributed a number of individually wrapped pie slices to the Iowa State University campus body. While this did not occur on the official Pi Day (3/14), we saw greater success on the Friday afternoon (3/11) it was held. The chapter was also excited to offer an in-person Rollercoaster Competition once more, in which middle school and high school students worked in groups to create a Rube Goldberg machine that not only transported a marble along a track, but rolled a dice too. This event allowed participants an opportunity to implement STEM concepts while providing volunteers a peek at the child-like wonderment we too once held. In addition to the Rollercoaster Competition, chapter leadership put in countless hours to put on Engineering Gala. Previously, the chapter had hopes to put on a ball or dance for engineering students. It is my pleasure to say that the event was a success, seeing approximately 60+ participants who enjoyed dancing and a variety of hors d’oeuvres. This was, in part, due to the contributions of the Engineering Student Council, who offered their advice and financial commitment.

Between the two semesters, we saw the initiation of a considerable number of new members. In the fall, IAA initiated 43 students (41 undergraduate and 2 graduate students). In the spring, IAA initiated 56 students (all undergraduate students). While I will not be present for it, I am confident that the next generation of Tau Beta Pi members will accomplish great things.

IAA also participated in the District 11 Conference, which was newly held in-person. While this format introduced greater camaraderie amongst peer members, it also proved challenging in organizing; chapter leadership now had to consider three days of potential time conflicts instead of one in which they “Zoomed in.” As a result, IAA was only able to send one of our electees (later turned STEM project officer) to the conference, as our Vice President was on coop at the time, and I had a performance that day. To remedy this, I pre-recorded a video to show at the conference illustrating our chapter’s accomplishments. This shows that, as engineers, we may have to problem-solve in the unlikeliest of situations.

In reflection, I think I fulfilled my role as president and gained valuable experience along the way. For one, I honed my problem solving skills as previously mentioned. In addition, I learned how to delegate tasks, communicate more effectively, and to be a leader. My motto throughout the semester I assumed this role was “to keep the chapter alive.” I think that is sometimes all you can do; as high-achieving engineers, we sometimes forget that we don’t have to always go “above and beyond” to be productive. That doesn’t mean I completely slacked off either, I still spent numerous late nights stressing about various chapter activities. However, calculating my “above and beyond” moments (Engineering Gala and Rollercoaster Competition) helped me to remain sane despite not having the best, most inventive meeting ideas. Did I leave the chapter better than I found it? Maybe. Maybe not. I am not the best judge of that, but I do know I learned a lot, and I developed friendships with various chapter members.

Lastly, I would like to extend my thanks to all the chapter advisors, officers, members, initiates, and alumni who supported IAA and myself this past year. I could have never done what I did without them, especially when it came to resuming in-person activities that only our advisors knew how they worked (everyone from pre-COVID era had graduated). This experience will remain unforgettable as I look back at what I did at Iowa State University and in Iowa Alpha.

Sincerely,

A handwritten signature in black ink that reads "Zoe Follman". The signature is written in a cursive, flowing style.

**Zoe Follman**

*Outgoing President, Iowa Alpha*

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# 1 Advisory Board Meeting

## Iowa Alpha

### 1. Project Information

- i. Date(s): 08/22/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	5
Cabinet Officers	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

At the beginning of the Fall Semester the Advisory Board held a meeting to review the state of the chapter, discuss the time schedule of activities for the coming semester, and set goals for the Chapter. The meeting was attended by Lucas Pearson, Chapter President; Ethan Baranowski, Treasurer; Christopher Gelina, Corresponding Secretary, and 5 Chapter Advisors: Amy Kaleita, James Hill, Richard Smith, Richard Stone, Mark Mba-Wright and LeVern Faidley. The meeting was conducted both in-person and virtually with 4 participants attending in person and 4 virtually.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The meeting of the Advisory Board is intended to fulfill its responsibility as stated in the Tau Beta Pi Constitution: "The Advisory Board shall act as an advisory and judiciary committee to determine the advisability of any action taken or proposed by the Chapter."

#### iii. Organization and Administration

Members of the Advisory Board were contacted through E-mail to arrange a convenient time when as many of the board members as possible could attend. Because of the Coronavirus, the meeting was held both in-person and virtually.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

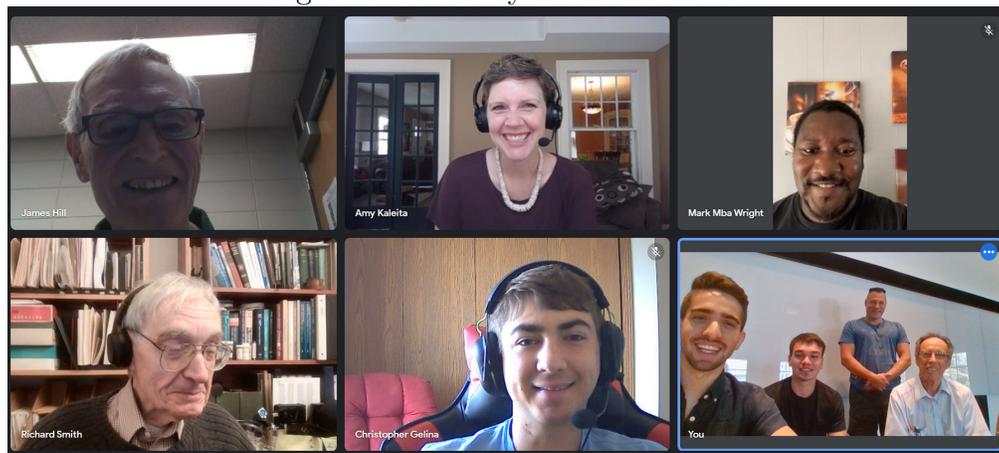
None

vii. **Overall Evaluation**

This meeting gave approval on several items for the fall 2021 semester (Banquet attendance, constitution and bylaw voting, etc.). These items are important to the success of the chapter, and were met with constructive feedback. The advisory board also provided some concerns and ideas to be implemented in the chapter this semester.

3. **Additional Attachments**

Figure 1: Advisory Board Members



## 2 Scholars Program Picnic

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 08/22/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Scholars Program
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	4
Iowa Alpha Scholars	19
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

#### 2. Project Evaluation

##### i. General Description

At the beginning of the Fall semester each year a picnic is organized for the Tau Beta Pi – Iowa Alpha Scholars selected by the College of Engineering during the spring semester. Spring semester 2021 twenty-six scholars were selected from among the 8 departments within the College of Engineering so many of the scholars do not know each other prior to being selected for the Scholar’s Program. The goal of the scholar’s picnic is to introduce the scholars to Tau Beta Pi and the scholar’s program and give them a chance to personally meet Tau Beta Pi cabinet members, advisors, and other students participating in the scholars programs. An icebreaker activity and games are organized for entertainment and food is served. The picnic in the Fall 2021 semester was held on Sunday evening, 22 August 2021, the weekend prior to the start of classes. The picnic was held at Brookside Park, a public park near campus. The Chapter reserved a shelter house for the picnic in case of rainy weather. Fortunately, the weather was perfect for the picnic. Four Cabinet Officers, including the Scholars Program Chair, 1 advisor and 19 scholars attended the picnic.

ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The purpose of the scholar's picnic is to help the scholars get to know each other and meet the Scholars Program Chair and some of the leaders of the Chapter. It introduces the scholars to Tau Beta Pi and informs them of social events, workshops and other activities planned for the scholars during the semester.

iii. **Organization and Administration**

An Advisor reserved the Linden picnic shelter at Brookside Park for the picnic during the summer. He also purchased the food and drinks for the picnic. The scholars and the Chapter officers introduced themselves telling something about themselves indicating their hometown, major what they did during the summer. An announcement was made of the events and activities planned for scholars during the Fall semester. A Doodle announcement of the picnic was sent to the Chapter Officers and scholars requesting them to indicate whether or not they would be able to attend the picnic and was followed up with a reminder to those who did not reply to the initial announcement. The response of scholars was excellent, with 22 of the 26 scholars responding and 19 scholars indicating they were planning to attend.

iv. **Total Cost**

\$243.0

v. **Cost Breakdown**

The rental of the picnic shelter was \$51.00 for 3 hours. Cost of the food and drinks was \$192.00. A Chapter Advisor paid for the picnic. Personnel whose attendance was needed included the President, Scholars Program Chair, Advisor and volunteers to prepare the hamburgers and hotdogs.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The picnic was very successful. The scholars, Tau Beta Pi officers and advisor were able to meet and visit with each other. Everyone who attended had a good time. It was interesting to visit with the scholars about their summer activities and plans for the Fall semester. Attendance of scholars and officers was larger than 2019 the last time the picnic was held. It is hoped the large attendance of scholars will continue in the future.

3. **Additional Attachments**

Figure 2: Scholar Picnic Attendees



Figure 3: Scholar Picnic Attendees



Figure 4: Scholar Picnic Attendees



# 3 Cabinet Meeting

## Iowa Alpha

### 1. Project Information

- i. Date(s): 08/24/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	2
Cabinet Officers	15
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the first Cabinet meeting of the semester and was exclusively for Cabinet officers and advisors. Attending the meeting were 15 cabinet officers and 2 advisors. The meeting was held in-person (11 participants) and virtually (6 participants).

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Cabinet meetings are an important means by which the Chapter officers are informed of ongoing and planned activities and their roles within the effective operation of the Chapter are clarified.

#### iii. Organization and Administration

A Cabinet meeting is held at the beginning of each semester. Announcement of the meeting and its agenda and location is communicated to officers through E-mail and the Iowa Alpha eBent. This semester the chapter used Microsoft Teams as a way to meet and share information.

#### iv. Total Cost

\$0.0

#### v. Cost Breakdown

There was no cost for the Cabinet meeting.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

This meeting served as an introduction to the new officers, and included expectations for the semester by each officer and for the chapter as a whole. In the future, the president should communicate with officers two weeks before the start of the semester and send out schedule of meetings for the semester prior to the start of class.

3. **Additional Attachments**

Figure 5: Iowa Alpha President



Figure 6: In-person participants



Figure 7: In-person participants



Figure 8: Virtual participants



# 4 Meeting with Dean of Engineering

## Iowa Alpha

### 1. Project Information

- i. Date(s): 08/30/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	6
Cabinet Officers	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The Chapter holds an annual meeting with the Dean of Engineering at the beginning of the Fall semester each year to introduce the Dean to the leadership of the Chapter for the coming year, update the Dean on the highlights of the past year, provide information on upcoming events, and seek input on matters that may be important to the Dean. The meeting with Dr. W. Samuel Easterling, Dean, College of Engineering and Iowa Alpha Advisor, which was held virtually, was attended by the following Iowa Alpha leadership: Lucas Pearson, President and 5 advisors: Amy Kaleita, James Hill, Mark Mba-Wright, Richard Stone and LeVern Faidley.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The support of the Dean and the College of Engineering is very important to the effective operation of the Chapter. The main purpose of the meeting is to provide the Dean information about the Chapter's achievements and seek advice and support of Chapter activities and new initiatives.

#### iii. Organization and Administration

The Dean's office was contacted before the beginning of the semester to identify a date and time the Dean would be available. Iowa Alpha Officers and Advisors were then contacted to inform

them of the meeting. The Chief Advisor prepared a summary of the previous year's highlights and upcoming events to give the Dean prior to the meeting and serve as a guide to discussion.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

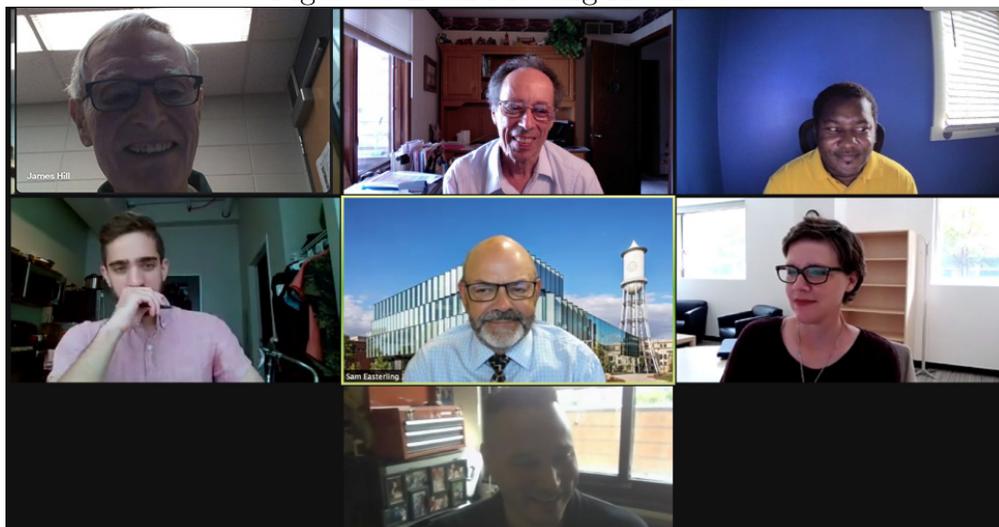
None

vii. **Overall Evaluation**

The meeting went very well. The Dean appreciated the opportunity to meet with the leadership and Advisors of the chapter. He indicated he would be willing to assist in identifying outstanding individuals for Tau Beta Pi membership as Eminent Engineers and Alumnus members. He noted that he had reviewed draft letters of invitation to eligible student candidates for Tau Beta Pi membership and their parents and agreed to these being sent out under his signature. He also agreed to continue the past practice of his office matching funds related to Tau Beta Pi Chapter Performance Scholarship of \$500 received by Iowa Alpha from Tau Beta Pi Headquarters for the timeliness and quality of the chapters reporting and project activities. He also supported the joint undertaking with Engineer's Week and other student organizations. He also announced that the University was holding an in-person graduation ceremony for alumni who had participated in virtual initiation ceremonies Spring and Fall 2020 to be held in conjunction with Home Coming. His office would provide the names of Engineering Alumni returning to campus and the Chapter would contact the Tau Beta Pi members to see if they wanted Tau Beta Pi Stoles for the graduation ceremony.

3. **Additional Attachments**

Figure 9: Dean Meeting Attendees



## Figure 10: Briefing note p1

### **Iowa Alpha Chapter of Tau Beta Pi Meeting with Dean W. Samuel Easterling August 2021**

#### **Topics of discussion with the Dean**

- Identification/selection of outstanding Iowa State Engineering Alumni and faculty for Tau Beta Pi membership as Eminent Engineers and Alumnus members:
- Guidance concerning the operation of student organizations in the College of Engineering
- Appreciation for matching funds related to Tau Beta Pi Chapter Performance Scholarship of \$500 received by Iowa Alpha
- Other matters of interest to the Dean.

#### ***Chapter Highlights from 2020-2021***

#### **2020 Tau Beta Pi Virtual National Convention, 17 October to 7 November**

- Nicholas Schiefelbein, Iowa Alpha President, was the Chapter's Voting Delegate and, Lucas Pearson, Vice President, participated as alternate voting delegate.
- Dr. James Hill, Advisor and District Director; Dr. LeVern Faidley, Chief Advisor, and Dr. Richard Smith, Advisor, also participated in the virtual Convention.
- The Chapters nominee for Tau Beta Pi Outstanding Advisor, Dr. Amy Kaleita, was selected as the recipient of the Award.
- The chapter received several national awards including: a Chapter Excellence Award with Distinction for our member engagement, reporting and chapter operations; a Project Excellence Award for the number and quality of projects undertaken by the Chapter and Honorable Mention as runner up for the R.C. Matthews Outstanding Chapter Award – the second year in a two and the third time in four years the chapter received this award.
- Tau Beta Pi Chapter Performance Scholarship – Iowa Alpha was the recipient of a \$500 Chapter Performance Scholarship, which was matched by the Dean's Office. The two recipients for 2021-22 were the highest academically eligible male and female Sophomore engineering students: Anirudh Ambore in Software Engineering and Dana Love in Aerospace Engineering.

#### **2021 Tau Beta Pi National Convention, October 21-23, Knoxville, Tennessee**

- Lucas Pearson, Iowa Alpha President, will be the Chapter's Voting Delegate and Joseph Schendel, Vice President, will be the alternate voting delegate.
- Dr. James Hill, Advisor and District Director and Dr. LeVern Faidley, Chief Advisor, plan to participate in the Convention.
- Dr. Amy Kaleita, Iowa Alpha principal faculty advisor, the 2020 Tau Beta Pi Outstanding Advisor has been invited to attend to receive her award in person.
- The Chapters nominee for a Distinguished Alumnus Award, Dr. Martin C. Jischke, IAA '63, President Emeritus of Purdue University and past president of Iowa State University has been selected to receive a 2021 Tau Beta Pi Distinguished Alumnus Award.

#### ***Iowa Alpha Outreach/Service Activities***

##### Community Service Activities –

- Pi Mile Run – the 27th annual Pi Mile Run was held on 24 October 2020. This was the sixth year in a row that the race was jointly sponsored with Engineers' Week and utilized campus sidewalks and walking paths. The 24 runners in 2020 was a significant decrease from the past 2 years. However, being able to hold the event at all was a significant accomplishment. Pie was provided to

## Figure 11: Briefing note p2

participants following the race. Announcement of the placing and mailing of the medals to winning runners was done subsequent to the event. Unfortunately, no donation to charity was feasible as the race incurred an overall loss.

- Adopt-A-Highway – the Chapter’s cleanup of a 2 mile stretch of Lincoln Highway west of Ames was not held Fall semester 2020. Fortunately, the spring cleanup on 18 April 2021 could take place as the Iowa Department of Transport had lifted its suspension of Adopt-A-Highway activities. On 14 June 2021, Iowa Alpha received an Iowa Governor’s Volunteer Award for outstanding commitment and service in recognition of its over 30 year participation in the Iowa Adopt-A-Highway program.
- Pi Day - Celebration of Pi Day was held in the atrium of the Student Innovation Center on 15 March 2020 with the planned distribution of 320 pieces of pie. Both volunteers and recipients of the pie wore masks and a fork was attached to each closed pie container to allow recipients to easily take the pie with them when they exited the building. The 50 pieces of pie left at the end of the event were donated to “Food at First”.

### Building the Future –

- The traditional Fall 2020 Building the Future outreach activity for middle school students was cancelled and no decision has been taken concerning Fall 2021.

### Roller Coaster Competition -

- The Spring 2020 Rollercoaster Competition generally held in the Howe Hall Atrium was again replaced by a virtual competition. Four teams from three schools participated, two middle school teams from one school and one team each from two high schools. Judging of the competition was based upon video submissions which included the operation of a Rube Goldberg machine to pop a balloon and descriptions of the machine and physics concepts involved.

### Collaboration with Other Organizations –

- Particular emphasis was placed on cooperation with other student organizations and joint activities. Specific examples included: Pi Mile Run, Campus Cleanup, Stash the Trash and Linus Blanket service projects.

### TBP National Scholarship Recipients –

- Iowa Alpha has six 2021 Tau Beta Pi Scholarship recipients (\$2,000) for the 2021-22 school year: Remy E. Braun and Ashlyn M. Haack, Mechanical Engineering; Nicole P. Martindale, Civil Engineering; Alex P. Schwarte, Software Engineering; and Sophia G. Vaughan and Carmen J. Wilwert, Chemical Engineering. This was the most recipients the chapter has ever had in one year.

### Tau Beta Pi – Iowa Alpha Scholar’s Program –

- During Spring 2021 the thirteenth class of scholars totaling 26 students were selected by the College of Engineering – 3 or more from each department.
- Scholars receive a \$500 scholarship and may participate in scholar specific and chapter activities.
- The goal of the program is to increase recognition of and membership in the Iowa Alpha Chapter.
- As of Spring 2021 a total of 298 scholars had reached junior or higher classification. Of these 227 (75%) have become eligible for Tau Beta Pi membership and 145 (64%) of the eligible scholars have become members. By comparison, our initiation rate of all eligible junior and senior engineering students is only about 17%. Often scholars become Tau Beta Pi members during their first semester of eligibility as a Junior and many serve in leadership positions within the Chapter.
- The program’s selection criteria indicate a minimum of 3 recipients should be selected from each of the 8 departments within the college and include one minority student and one woman, if qualified candidates are available. In 2019, gender parity was achieved for the first time with 15 of the 30 scholars being women. In 2020 female recipients exceeded men with 25 of the 30 scholars being women and this trend continued in 2021 with 15 of the 26 scholars being women.

## Figure 12: Briefing note p3

### *Chapter Operations*

#### Initiation Classes –

- 2020 Spring Semester: Iowa Alpha elected to membership 115 new members, 112 under graduates, and 3 graduate students. Of these 6 undergraduate electees were initiated in a virtual initiation ceremony on 26 April 2020. A further 102 electees, 99 undergraduates and 3 graduate students were initiated in a virtual initiation ceremony on 23 August 2020. Fall Semester 2020, 74 new members were initiated on 15 November 2020, including 70 undergraduates and 4 graduate students. Spring Semester 2021, 91 new members were initiated on 25 April 2021, including 88 undergraduates and 3 graduate students.
- The addition of 273 new members over three semesters is our second largest number ever during 3 consecutive semesters, the largest being in 1986-87 when 280 new members were initiated.
- Our current membership totals 8,446, placing Iowa Alpha in the top 8 chapters in total membership.

#### Initiation Fees -

- For 2020-21, the initiation fees for new members was reduced from \$90.00 to \$55.00, the amount paid to Tau Beta Pi Headquarters. No fees were collected for the chapter since \$30.00 of the local fees are used to cover the cost of attendance of new members at the Tau Beta Pi Banquet and no banquets were held due to Covid.
- Supplementary income for the chapter was provided through the transfer of \$3,000 from Tau Beta Pi Endowment with the ISU Foundation to the Chapter's Student Organization account to cover expenses incurred by the chapter during the year.
- For 2021-22, it is planned to restore fees to \$90.00.

#### 2020/21 Eminent Engineers –

- No new Eminent Engineer or Alumnus members were nominated for membership during 2020-21.
- Prior to the pandemic two potential Eminent Engineer candidates had been identified: Pat Weiler, President and Chief Executive Officer of Weiler Inc. in Knoxville, Iowa and Lee Sargent, retired Chairman of the Board and Chief Executive Officer of Todd and Sargent in Ames, Iowa.

#### Initiation Banquet –

- For 2021-22 it is hoped to return to holding a banquet together with an in-person initiation of new members each semester.

#### Engineering Futures –

- In the past, in-person Engineering Futures sessions have been hosted for initiates and members each semester. However, these were discontinued by Tau Beta Pi Headquarter during 2020-21. Instead, a pre-set calendar of virtual professional development activities were offered during 2020-21. These sessions were open to all interested students and alumni, including those non-member students frequently served through Engineer Futures sessions hosted by collegiate chapters. The Iowa Alpha initiates were requested to participate in one of these sessions.
- Headquarters has not yet announced plans for 2021-22. They are revising and updating the sessions and it is not yet known when Engineer Futures facilitators will be trained in using the new material.

#### Graduation Stoles –

- In recognition of their contribution to the Chapter, active members are given free Tau Beta Pi stoles for graduation. Other Tau Beta Pi members can buy a stole.
- During 2020 spring and fall semesters commencement ceremonies were held virtually and no Tau Beta Pi Stoles were distributed to graduates. With the return of in-person graduation ceremonies Spring 2021, Tau Beta Pi stoles were distributed free of charge to 13 graduates and 22 graduates purchased stoles.

Figure 13: Briefing note p4

*Tau Beta Pi Endowments and Scholars Fund –*

- The Tau Beta Pi Endowment with the ISU Foundation had a balance at the end of July 2021 of \$174,267 in Endowment Pool Investments and \$10,365 in expendable cash, available for transfer to the Chapter Student Organization account, if necessary.
- The Tau Beta Pi Chapter Endowment Initiative undertaken by Tau Beta Pi Headquarters has resulted in establishment of an endowment of \$110,000 through contributions from Iowa Alpha alumni. As of 1 August 2019, the chapter had \$1,320 in discretionary funds available. It is planned to use these funds to cover the cost of the attendance of the Iowa Alpha Vice President as the alternate delegate at the Tau Beta Pi National Convention in October.
- The Tau Beta Pi – Iowa Alpha Scholars Fund with the ISU Foundation had a balance at the end of July 2021 of \$8,155 sufficient to cover 16 scholarships for the 2021-22 academic year.
- To insure the long term viability of the Scholars Program, an endowment has been established for the program with leadership gifts and pledges from members of the Faidley family and David Kilzer totaling \$100,000. At the end of July 2021, the Endowment Pool Investments had a balance of \$168,228 and a cash balance of \$3,323. A 5-year fund raising effort is being undertaken through the ISU Foundation to try to endow the program with \$300,000 or more funds, sufficient to support twenty-four \$500 scholarships annually.

# 5 General Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 08/31/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	15
Iowa Alpha Scholars	10
Members	16
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the first General Meeting of the semester. The meeting was mainly held in-person and had 42 attendees, including 15 Cabinet officers, 16 members, 10 Iowa Alpha Scholars and 1 Advisor.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was very successful. The meeting was mainly devoted to an overview of the upcoming semester and the introduction of the cabinet officers. Cabinet officers introduced themselves and described the responsibilities of their positions. The Chapter President, Lucas Pearson, then reviewed the schedule of activities for the semester. Carmen Wilwert, the Drawing Board Officer, discussed the work of this group and requested those interested in participating to contact her.

3. **Additional Attachments**

Figure 14: President opening the meeting



Figure 15: Meeting attendees



Figure 16: Meeting attendees



Figure 17: Meeting attendees



# 6 General Meeting - Proctor and Gamble Information Session

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/07/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Guest	3
Cabinet Officers	11
Iowa Alpha Scholars	7
Members	8
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the second General Meeting of the semester and was attended by 11 Cabinet officers, 8 members, 7 Iowa Alpha Scholars, 1 Advisor and 3 Guest speakers from the Proctor and Gamble Company representatives: Michael Peterson, Britney Redding and Urvi Pai, who provided information about their experience as employees of the company's facility in Iowa City, Iowa.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

Pizza was provided by the Proctor and Gamble Company representatives at no cost to the chapter

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was very successful. The Proctor and Gamble Company representatives were very good talking about their experiences with the company and answering the numerous questions asked by attendees at the meeting.

3. **Additional Attachments**

Figure 18: Proctor and Gamble representatives



Figure 19: Meeting attendees



Figure 20: Meeting attendees



Figure 21: Meeting attendees



# 7 Scholars Resume Workshop

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/07/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Scholars Program
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	6
Iowa Alpha Scholars	7
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

A professional development activity in the form of a resume workshop is organized for the Tau Beta Pi – Iowa Alpha Scholars prior to the Engineering Career Fair each Fall. The workshop provides an opportunity for scholars to develop resumes and have their questions answered concerning career fair and internships/co-op experiences. This year 7 scholars were able to attend, and also attended the general meeting and Proctor and Gamble information session that preceded the workshop.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The annual Scholars Resume workshop is a valuable opportunity for scholars to get to know cabinet officers and members and prepare for the College of Engineering Career Fair. The purpose of this resume workshop is to fulfill the professional development goal of the scholars program. Meeting with the Scholars and working with them in an informal setting gives the scholars a chance to know more about Tau Beta Pi and helps them as they prepare to meet with companies and start professional engineering careers.

iii. **Organization and Administration**

An E-mail was sent to the scholars giving them the date and time of the workshop. The workshop was held prior to the College of Engineering Career Fair. The weekly eBent is used to inform members of the meeting and workshop.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The Pizza provided for the General Meeting that preceded the workshop was also enjoyed by the scholars. To the extent possible an effort is made to have the same number of members attend as scholars to provide one on one interaction with each scholar.

vi. **Special Problems Encountered**

The only problem was that 3 scholars did not complete the sign-in for participants at the workshop so their names were not recorded in the attendance spreadsheet

vii. **Overall Evaluation**

The workshop went well. The scholars had the opportunity to have one-on-one discussions with the chapter officers and members and each scholar's resume was reviewed by one or more members. The scholars expressed their appreciation for the workshop.

3. **Additional Attachments**

Figure 22: Scholar resume review participants



Figure 23: Scholar resume review participants



Figure 24: Scholar resume review participants



Figure 25: Scholar resume review participants



# 8 Letter Stuffing Party

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/12/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Members	4
Electees	1

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

### 2. Project Evaluation

#### i. General Description

A Letter Stuffing Party is held each semester as soon as the list of eligible students is available and the letters are printed. The letters from the Dean inviting the qualified undergraduate and graduate students to join Tau Beta Pi are placed in envelopes for mailing. Letters to the parents of undergraduate students with US addresses are also placed in envelopes. Fall semester we had 1 Cabinet officer, 4 members and 1 advisor participate in the Letter Stuffing Party.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose is to inform students qualified for Tau Beta Pi membership of their eligibility and send them an invitation to join. Letters are also sent to the parents of the undergraduate students informing them of their son or daughter's eligibility.

#### iii. Organization and Administration

The Iowa Alpha Faculty Advisor gets access to the "10 Day List" of Engineering students for the semester and prepares the list of eligible undergraduate and graduate students. Letters from the Dean are sent to the undergraduate students and their parents, and to eligible graduate students. The Chief Advisor prints the letters on stationary provided by the Dean's Office, and the Dean's Office also provides the envelopes and does the mailing. Iowa Alpha officers and members fold the letters and insert them in the envelopes.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

Because of the Coronavirus no letter or information brochure from the Chapter was collated with the Deans letter. However, the Chapter letter and brochure were sent to eligible students as attachments to the Chapter's E-mail invitation to all eligible undergraduate and graduate students.

vii. **Overall Evaluation**

All letters were prepared for mailing to eligible students and their parents. With 6 members working in teams of two the letters were folded and placed in envelopes in about 1 hour. In total, 692 envelopes were stuffed, 355 parent letters, 237 undergraduate student letters (26 on-campus addresses and 211 off-campus addresses) and 100 graduate student letters. A total of 634 undergraduate students were eligible for Tau Beta Pi membership of which 224 were already members. Therefore, 410 undergraduate students were invited to join Iowa Alpha this semester. Similarly, 117 graduate students were eligible of which 13 were already Tau Beta Pi members. Therefore, 104 graduate students were invited to join Iowa Alpha this semester.

3. **Additional Attachments**

Figure 26: Letter Stuffing participants

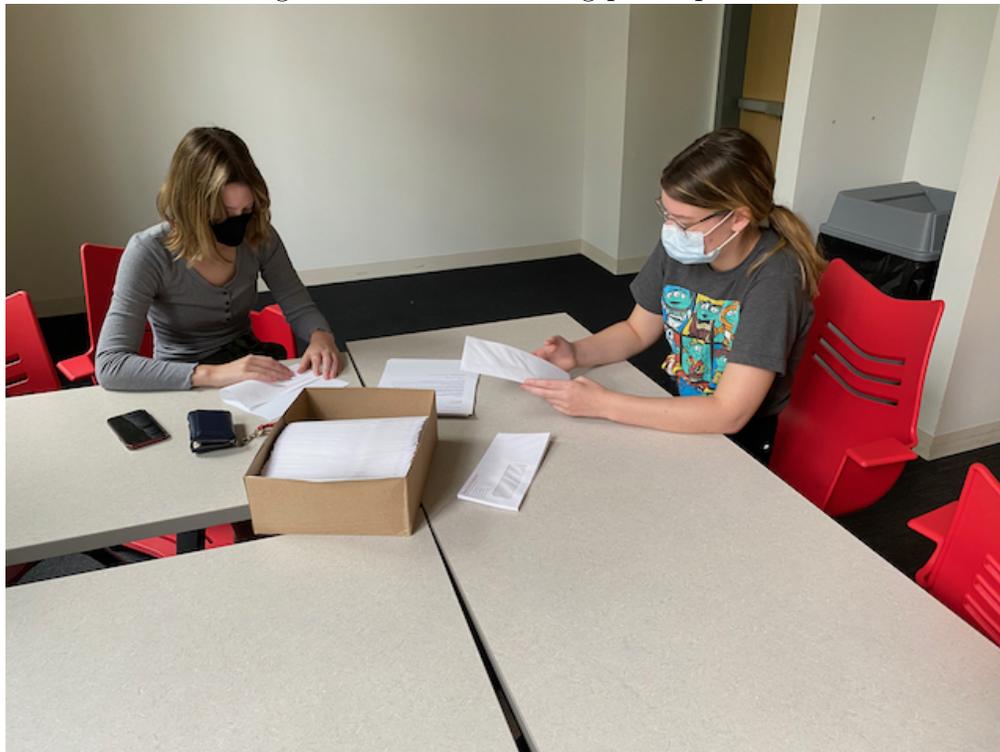


Figure 27: Letter Stuffing participants

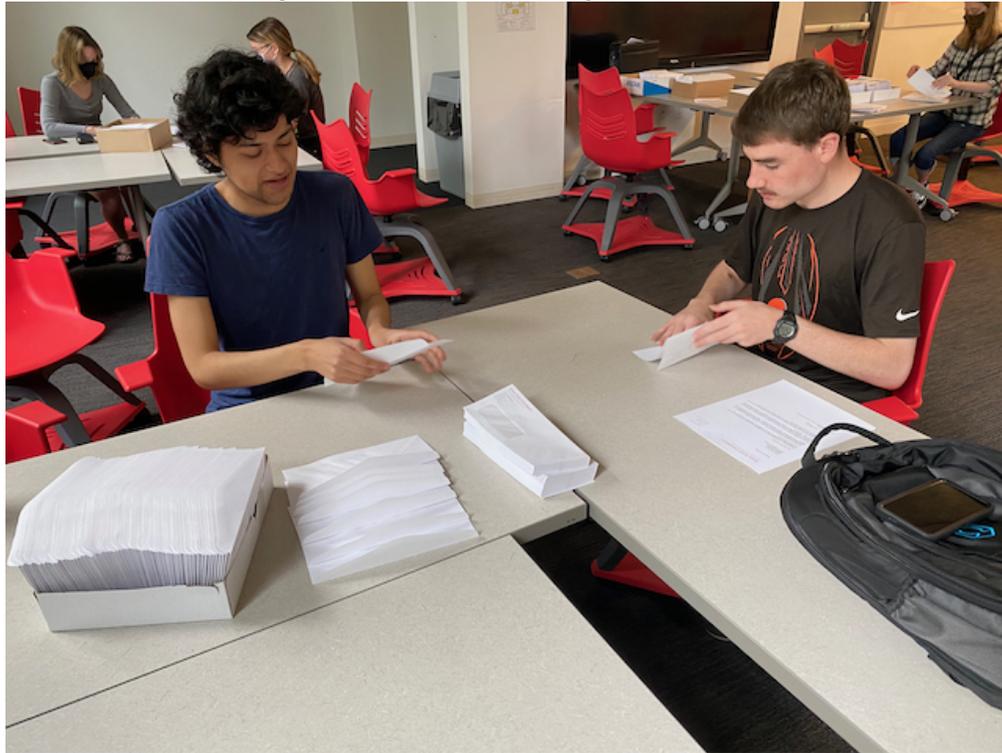


Figure 28: Letter Stuffing participants



# 9 The Drawingboard: Admin 9/14

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/14/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

- i. **General Description**

We met to plan for the fall semester, including advertising and channel management.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The Drawingboard program exists to provide supplemental material to engineering students through instructional videos. The goal this semester is to organize the YouTube channel that has all of the previous Drawinboard videos and advertise its existence to further help engineering students at Iowa State University.
- iii. **Organization and Administration**

Carmen Wilwert and Ethan Bosch will create advertising for the channel and work on channel management this semester. Chris Gelina will edit any new videos created.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

N/A
- vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Today we put together a list of tasks for the semester and started the process of reserving a room on campus that will allow us to record if necessary.

# 10 Event Authorization Committee Meeting – Pi Mile Run

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/16/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The meeting was called by the ISU Events Authorization Committee following submission by Iowa Alpha and Engineer's Week of the request to hold the annual Pi Mile Run. The meeting with the Committee was attended by Zoe Follman, the Iowa Alpha Campus Project Officer responsible for the event and LeVern Faidley, Chief Advisor representing Tau Beta Pi and 5 officers and 1 advisor representing Engineer's Week.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Pi mile run is an annual race of 3.14 miles (5 Km) for runners from the university and Ames community that utilized sidewalks and walking paths throughout the Iowa State University campus. It provides the opportunity for officers and members to showcase their organizations to other students and members of the community. Profits from the run are donated to a local charity.

#### iii. Organization and Administration

Meeting with the ISU Event Authorization Committee is important to insure the event is in compliance with the University's regulations for student organization activities. Upon submitting an event authorization request online, a day and time is set for representatives of the student organizations to meet with the Committee.

iv. **In Conjunction With**  
Engineer's Week student organization

v. **Total Cost**  
\$0.0

vi. **Cost Breakdown**  
None

vii. **Special Problems Encountered**  
None

viii. **Overall Evaluation**

The Events Authorization Committee noted that this would be the 27th Annual Pi Mile Run. They complimented the two organizations on their thoroughness in planning for the event and their presentation to the Committee. Aspects of the event discussed by the Committee included the race route, safety measures when runners were crossing campus streets, food safety procedures in packaging and serving pieces of pie to race participants, the on-line registration being used to register runners for the event, and the timing system to record runners times. The representative from the Office of Risk Management indicated he would provide a release form for runners to sign when signing in for the race.

3. **Additional Attachments**

Figure 29: Tau Beta Pi and Engineer's Week Officers



Figure 30: Tau Beta Pi and Engineer's Week Officers



# 11 The Drawingboard: Admin 9/21

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/21/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	0.5

### 2. Project Evaluation

- i. **General Description**

We met to work on advertising for the Drawingboard YouTube channel and review the current content that is uploaded but not published.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The Drawingboard program exists to provide supplemental material to engineering students through instructional videos. The goal this semester is to organize the YouTube channel that has all of the previous Drawinboard videos and advertise its existence to further help engineering students at Iowa State University.
- iii. **Organization and Administration**

Carmen Wilwert and Ethan Bosch will create advertising for the channel and work on channel management this semester. Chris Gelina will edit any new videos created or old videos that need editing.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Today we started work on creating advertisements for the channel to post around campus and began reviewing the current channel content. We also found missing video files from previous semesters, which Chris will work on editing in the near future.

# 12 General Meeting 3 - Career Fair Celebration

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/21/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	8
Iowa Alpha Scholars	3
Members	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the third General Meeting of the semester and was attended by 8 Cabinet officers, 3 members, 2 undergrad invitees, 3 Iowa Alpha Scholars and 1 Advisor. The meeting was mainly devoted to a review of up-coming events and celebration of the in-person Engineering Career Fair, which had been held that day..
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$42.96

v. **Cost Breakdown**

The snacks, cookies and drinks for the event were purchased by the Iowa Alpha Treasurer at a cost of \$42.96.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was successful. While the participation of Iowa Alpha members was lower than expected, the participation of Iowa Alpha Scholars and students being invited to join the Chapter Fall semester was welcome. It was noted that Initiate Information meetings would be held on Wednesday, 22 September and Thursday, 23 September at 7:00 pm.

3. **Additional Attachments**

Figure 31: Participants at the meeting



Figure 32:



Figure 33:



# 13 Initiate Information Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/22/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	20
Advisors	1
Cabinet Officers	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The information meeting was the first of two sessions held for the students invited to become Tau Beta Pi members, the second being held a day later. The Chapter President, Vice President and Initiation Officer and give a PowerPoint presentation describing Tau Beta Pi and the Iowa Alpha initiation process, and described the initiate small groups in which the initiates could participate. The graduate student initiates were informed of the need to provide a letter from their major professor and a completed education background form. Attending the meeting, which was held both in-person and virtually, were 4 Cabinet Officers, 1 Advisor, 16 undergraduate invitees (3 of whom participated virtually) and 4 graduate student invitees.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this event was to meet with potential new members to inform them about Tau Beta Pi and the Iowa Alpha initiation process. The information meeting was integral to the initiation process, which contributes to Tau Beta Pi's purpose "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character".

iii. **Organization and Administration**

The time and location of the meeting, as well as the virtual link, were included in the invitation letter sent to all eligible students. Eligible students were also informed about the information session by E-mail. A PowerPoint presentation was prepared describing Tau Beta Pi, the Iowa Alpha Chapter and the initiation process and requirements for membership. The University's Canvas, software is used by the chapter for managing and monitoring the initiation process.

iv. **Total Cost**

\$70.56

v. **Cost Breakdown**

Pizza and drinks were purchased for the in-person participants at a cost of \$70.56.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting and presentation went very well. The potential initiates who attended the Information Session had completed a Doodle poll indicating they were interested in joining Tau Beta Pi Fall semester. The 20 invitees who attended the first information meeting was lower than the number who had registered to attend, but most of these attended the second information session held on 23 September.

# 14 Initiate Information Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/23/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	45
Advisors	1
Cabinet Officers	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The information meeting was the first of two sessions held for the students invited to become Tau Beta Pi members, the second being held a day later. The Chapter President, Vice President and Initiation Officer and give a PowerPoint presentation describing Tau Beta Pi and the Iowa Alpha initiation process, and described the initiate small groups in which the initiates could participate. The graduate student initiates were informed of the need to provide a letter from their major professor and a completed education background form. Attending the meeting, which was held both in-person and virtually, were 4 Cabinet Officers, 1 Advisor, 41 undergraduate invitees and 4 graduate student invitees.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this event was to meet with potential new members to inform them about Tau Beta Pi and the Iowa Alpha initiation process. The information meeting was integral to the initiation process, which contributes to Tau Beta Pi's purpose "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character".

### iii. Organization and Administration

The time and location of the meeting, as well as the virtual link, were included in the invitation letter sent to all eligible students. Eligible students were also informed about the information session by E-mail. A PowerPoint presentation was prepared describing Tau Beta Pi, the Iowa Alpha Chapter and the initiation process and requirements for membership. The University's Canvas, software is used by the chapter for managing and monitoring the initiation process.

### iv. Total Cost

\$65.94

### v. Cost Breakdown

Pizza and drinks were purchased for the in-person participants at a cost of \$65.94.

### vi. Special Problems Encountered

None

### vii. Overall Evaluation

The meeting and presentation went very well. The potential initiates who attended the Information Session had completed a Doodle poll indicating they were interested in joining Tau Beta Pi Fall semester. The 20 invitees who attended the first information meeting was lower than the number who had registered to attend, but most of these attended the second information session held on 23 September.

## 3. Additional Attachments

Figure 34: Invitees



Figure 35: Invitees



Figure 36: Invitees



Figure 37: Cabinet Members



# 15 Pi Mile Run – 26 Sep 2021

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/26/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	6
Iowa Alpha Scholars	2
Members	9
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	3.0

### 2. Project Evaluation

#### i. General Description

Iowa Alpha has held a Pi Mile Run each Fall for the past 27 years. For the sixth year in a row the chapter partnered with Iowa State University Engineers' Week to hold the event. Tau Beta Pi volunteers assisting with the event included 6 Cabinet officers, 9 members, 2 Iowa Alpha Scholars, and 1 Advisor. In addition over a dozen Engineers' Week volunteers assisted with the event.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Pi Mile Run allows Tau Beta Pi members and Engineers' Week representatives to get involved with the community, showcases the two student organizations, College of Engineering and Iowa State University campus and supports worthy charitable causes.

#### iii. Organization and Administration

During Spring semester an Initiate Small Group developed plans for the event. A date was selected that did not conflict with other running events or home football games. At the beginning of fall semester the event authorization was submitted to the Iowa State University Event

Authorization Committee and budgeting, advertisement and logistical plans were developed. Organizational meetings were held with Engineers' Week representatives, local businesses were contacted to provide donations of food and/or prizes. Advertising was undertaken through the Iowa Alpha and Engineers' Week websites, fliers placed on campus and tabling undertaken prior to the race. T-shirts were ordered for the runners participating. Iowa State University Facilities Planning and Management provided assistance in arranging for with runner registration and race timing.

iv. **In Conjunction With**  
Engineers' Week

v. **Total Cost**  
\$242.37

vi. **Cost Breakdown**

Cost of the event was shared between Iowa Alpha and Engineers' Week. The award medals were purchased from Cyclone Engraving at a cost of \$72.00 and paid for by Iowa Alpha. Food purchases by Iowa Alpha included 12 pre-cut fruit pies from Fareway at a cost of \$131.88 and Pizza from Casey's at a cost of \$38.49. Direct expenditures by Iowa Alpha totaled \$242.37. The event resulted in a net loss of \$242.37

vii. **Special Problems Encountered**  
None

viii. **Overall Evaluation**

The joint sponsorship of the 2021 Pi Mile Run between Iowa Alpha and Engineers' Week was successful. The 41 runners this year was a significant increase from the previous year when the race was significantly affected by Covid restrictions, and sub-freezing temperatures. Runners were only from the university this year. The runners received water, pie and other refreshments following the race. Every one seemed to appreciate the pie. Placing were divided into three age groups for both men women. Awarding of medals to winning runners was done at the end of the event. Plans are to again jointly organize the 2022 race with Engineers' Week.

3. **Additional Attachments**

Figure 38: Runner Placings

**28th Annual Pi Mile Run - 9/26/2021**  
**Iowa State University**  
**Rankings**

<b>Mixed 5k Run RR</b>						
Comp#	Name	Team	Time	Points		
1	328 Moser, Nickolas	M21 Isu Student	19:09.00	1		
2	309 Currier, Caleb	M18 Isu Student	19:25.00	2		
3	337 Thayer, Alex	M21 Isu Student	20:06.00	3		
4	326 Moline, Madalyn	W18 Isu Student	21:41.00	1		
5	333 Renze, Taylor	W21 Isu Student	22:12.00	2		
6	312 Farrell, Connor	M21 Isu Student	22:23.00	4		
7	335 Seifrig, Hailey	W18 Isu Student	23:01.00	3		
8	344 Goudy, Jack	M18 Isu Student	23:22.00	5		
9	324 Martindale, Nicole	W21 Isu Student	23:35.00	4		
10	316 Jensen, Katie	W18 Isu Student	23:51.00	5		
11	332 Pierre, Ben	M22 Isu Student	24:09.00			
12	315 Jahnke, Sam	M18 Isu Student	24:38.00	6		
13	341 Tubbs, Jake	M20 Isu Student	26:29.00			
14	311 Ernst, Brandon	M20 Isu Student	27:08.00			
15	329 Ortega, Jonathan	M23 Unat	29:03.00			
16	338 Thoms, Nicholas	M20 Isu Student	29:32.00			
17	327 Morrissey, Shannon	W22 Isu Student	29:36.00			
18	348 Munday, Dawson	M21 Isu Student	30:07.00			
19	342 Wilder, Emily	W20 Isu Student	30:58.00	6		
20	345 Chervenka, Annica	W18 Isu Student	30:58.01			
21	319 Klanderud, Carter	M21 Isu Student	31:30.00			
22	346 Peterson, Wyatt	M21 Isu Student	31:32.00			
23	322 Kooba, Alexander	M19 Isu Student	32:06.00			
24	343 Williams, Kelli	W26 Isu Student	32:12.00			
25	323 Lanciloti, Ryan	M22 Isu Student	32:14.00			
26	339 Thoms, Nolan	M20 Isu Student	33:27.00			
27	318 Judson, Savanna	W25 Isu Student	34:12.00			
28	321 Knops, Elena	W19 Isu Student	34:21.00			
29	320 Knops, Cassidy	W19 Isu Student	34:37.00			
30	325 Miller, Mattea	W20 Isu Student	40:36.00			
31	336 Stowater, Laura	W20 Isu Student	40:36.01			
32	347 Gomez, Rebecca	W20 Isu Student	42:06.00			
33	334 Sanchez, Daniela	W22 Isu Student	42:33.00			
34	305 Barnwal, Ashirwad	M29 Isu Student	43:06.00			
35	330 Palmer, Claire	W20 Isu Student	44:55.00			
36	331 Patush, Rebecca	W20 Isu Student	44:55.01			
37	306 Barron, Alexandra	W23 Isu Student	47:53.00			
38	307 brooks, makail	M19 Isu Student	49:24.00			
39	317 Jones, Mady	W23 Isu Student	52:53.00			
40	313 Golden, Delaney	W20 Isu Student	54:51.00			
41	308 Cornish, Faith	W21 Isu Student	54:51.00			

Figure 39: Runner Registration



Figure 40: Race Start



Figure 41: Race winner



Figure 42: Medal Winners



# 16 The Drawingboard: Admin 9/28

## Iowa Alpha

### 1. Project Information

- i. Date(s): 09/28/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.5

### 2. Project Evaluation

- i. **General Description**

We met to review advertising for the Drawingboard YouTube channel and talk about what editing needs to be done.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The Drawingboard program exists to provide supplemental material to engineering students through instructional videos. The goal this semester is to organize the YouTube channel that has all of the previous Drawinboard videos and advertise its existence to further help engineering students at Iowa State University.
- iii. **Organization and Administration**

Carmen Wilwert and Ethan Bosch will create advertising for the channel and work on channel management this semester. Chris Gelina will edit any new videos created or old videos that need editing.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Today we reviewed advertisements for the channel to post around campus and continued reviewing the current channel content. We also discussed the missing video files from previous semesters, which Chris will work on editing in the near future. We prioritized which videos Chris will edit first.

# 17 Initiate Small Group - MindSET K-12 Outreach 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/04/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with planning and developing a STEM process from idea to final product which promotes STEM for middle and high school students. The small group met on Monday from 5-6 PM. Annika Lehan, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the first meeting were 8 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the

project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In the first meeting initiates got acquainted through an ice-breaker activity, were informed of the overall MindSET K-12 Outreach project scope, and discussed project ideas and communication methods. Communication was established using Microsoft Teams and the app, GroupMe. The group discussed doing a demonstration on fluid properties such as buoyancy and fluid properties throughout the use of slime; or optics and particles to explain through Rayleigh Scattering why the sky is blue. The group decided to present to Ames Middle School students in person. The goal for the next meeting was confirming the intended audience, and figuring out the experimental logistics.

3. **Additional Attachments**

Figure 43: TBP group first meeting.



# 18 Initiate Small Group - Membership Point System Meeting

## 1

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/04/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	6
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a membership point tracking system to monitor member activity and participation in the chapter, as well as create rewards for active members to encourage continued participation in the chapter. The small group met on Monday from 4-5 pm. Jolie Jacobus, an Iowa Alpha member, provided leadership for the small group, which had 6 participants. Attending the first meeting were 5 initiates and the small group leader. One member of the small group, Gayle Yii, was not able to attend in-person meetings and the small group leader worked with her individually to ensure she could fulfill the requirement to participate in the initiate small group.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in

Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

Not applicable

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The group did an ice breaker/ get-to-know-you activity to start. Then we began brainstorming what a membership point system should entail. We defined what an active member was, and decided that attending two events a semester was enough to be considered actively involved in our chapter. We decided how to divide up points for attending various events. The group decided a time-based point system was what was best so for every hour a member was involved in a meeting or activity, they would get a point. Lastly, we discussed prizes for active members. A raffle was brought up or prizes for meeting different levels of activity. The group was sent off to think about what incentives they would like to see and think more about how the system itself would work for the next meeting.

# 19 General Meeting - Resume Update

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/05/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	22
Advisors	1
Cabinet Officers	4
Members	5
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the fourth General Meeting of the semester and was attended by 4 Cabinet officers, 5 members, 22 undergraduate initiates, 2 graduate initiates, 2 Iowa Alpha Scholars, and 1 Advisor. The meeting was mainly devoted to a presentation on factors to consider when preparing and updating resumes..
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The Chapter President discussed the contents of a successful resume. He noted that one page of well-presented information is enough for recruiters to make an initial evaluation during a networking event such as the career fair. Typically, the resume should include all significant college accomplishments. Recruiters look for professional content that demonstrates experience in their needed skill areas and experience that separates a person from other candidates. Organization is also critical because employers must be able to find the information quickly. Employers expect the resume to be an example of a student's best work, therefore, have multiple people look for mistakes in grammar, spelling, alignment, and consistency. Following the presentation a number of students asked questions and requested that their resume be reviewed.

# 20 Initiate Small Group - District Meet and Greet

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/06/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	3
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a virtual meet and greet that includes other chapters within district 11. The small group met on Wednesday, October 6 from 3:00-4:00pm. Ash Gutierrez, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the first meeting were 3 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the

project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost for this meeting.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Our group began with introductions and a short icebreaker in order to get to know each other. Following that, the small group leader introduced the project purpose and the channel in which the team will communicate. The group then got into a brainstorming session to come up with ideas on what activities should be done during the virtual meet and greet. After the brainstorming session, the group reviewed their ideas and expanded on them, eliminating the ones that seemed too farfetched or too elaborate. The group narrowed down their list to 2 ideas, an icebreaker that revolves around guessing which school a participant is from, and a collaborative guessing game based on geographic locations. With these ideas in mind, the group then began information collecting and will report their progress the second meeting..

# 21 Initiate Small Group - Networking Tips

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/06/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with developing and providing networking tips to our members. The small group met on October 6th from 8AM-9AM. Connor Ryan, an Iowa Alpha member, provided leadership for the small group, which had five participants. Attending the first meeting were five initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly virtual meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The small group had no cost.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The first meeting covered a general overview of Tau Beta Pi Small Group meetings and objectives. Defined the scope of the group's project to be creating networking tips in the form of interview tips, Linked-in advice, or guidelines to improve a members resume. Brainstormed different ways the group could help members improve their networking. Chose to create a "Career Fair Playbook," provide advice on maintaining connections, and how to effectively network in the workplace. Initiates distributed the workload and will gather more information for the next meeting.

# 22 Initiate Small Group - TBP District Website

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/06/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating the district 11 website. The small group met on Wednesday from 4pm to 5pm. District website, an Iowa Alpha Gage Fischer, provided leadership for the small group, which had 5 participants. Attending the first meeting were all 5 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

This is to help get the information of our district out there more. Also, helping the district be more connected by having a list of announcements and other resources to their fellow chapters in the district.

#### iii. Organization and Administration

The main responsibilities of the project itself were split up among the initiates. This was a small group led project and everyone who was participating in the small group was to choose amongst themselves how this was to be split evenly and tackled.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

Special problems that arose mainly was making sure we were covering all the requirements given to us by Dr. Hill.

vii. **Overall Evaluation**

In this meeting, initiates got acquainted through an ice-breaker activity, were informed of the overall project scope, and reviewed the work done by a similar initiate small group spring semester 2021. Agreement was reached that the website continue to use the Google Sites software and include:

(i) Home page,

(ii) Announcements,

(iii) Links page with links to the chapters in D11 with web pages and to the national Tau Beta Pi website,

(iv) Contact information for District 11 Directors and chapter officers,

(v) Map of District 11 with the locations of the 8 chapters and

(vi) Upcoming/past events

# 23 Initiate Small Group: Banquet Sponsorship - Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/07/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process, initiate small groups are formed. This small group was tasked with getting the new member banquet sponsored by some engineering companies. The small group met on Thursdays from 4:00-5:00 pm. Ellie Diersen, an Iowa Alpha member, provided leadership for the small group, which had 10 participants. Attending the first meeting were 10 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Each initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost to the chapter for the initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

The meeting was started with the introduction of all initiates to get to know one another. The small group leader, Ellie Diersen, briefed everyone on the goal for this meeting: get to know each other and begin brainstorming possible companies to sponsor our banquet. It was asked if the company would get anything in return for their sponsorship and the small group leader did not know the answer to this question. It was also asked how much money we would be asking companies for, which was unknown as well. An email was sent to Ethan Baranowski, treasurer of Tau Beta Pi, to try to obtain that information prior to contacting companies next week. The assignment for each attendee was to find 2-3 companies that could possibly be sponsors.

# 24 Initiate Small Group - Service Project Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/07/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating a service project for our chapter. The group meets on Thursday at 4:30 - 5:30 PM in Black Engineering 1026. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 10 initiates. All 10 initiates attended the first meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In this meeting, we discussed the purpose and timeline of the service project small group. We also had introductions with each other since it was our first meeting. The initiates split up into two groups and brainstormed ideas. Finally, we voted on two ideas. The first idea is to ask the school departments if they needed any volunteering from our chapter. Our second idea was an organization called Food at First.

# 25 Initiate Small Group Engineering Gala Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/07/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a fun event for ISU engineers to get together, socialize, and have some fun once COVID is over. This will be a relatively formal event but could make it a fun gala with music or some cool shows. It will allow more people to find out about Tau Beta Pi and let students/faculty meet in a relaxed setting. Our goal is to find some places that could host this event. Maybe some place around campus or something off campus (Elks Lodge/ISU museum/Reiman Garden if outside/Scheman building). The tricky part will likely be finding beverage/food providers, music, and staying within a budget. The small group met on Tuesday afternoon from 6:00-7:00 pm. Joshua Heroldt, an Iowa Alpha cabinet member, provided leadership for the small group, which had 2 participants. Attending the first meeting were 2 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the

large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None so far

vi. **Special Problems Encountered**

None to report

vii. **Overall Evaluation**

We discussed the purpose of our small group and the schedule in the upcoming weeks. We all introduced ourselves and started planning what our project should focus on. The initiates split up the tasks in the project and brainstormed what needs to be done for each part. Finally, we agreed on what everyone should do for the next meeting to stay on track.

# 26 Free Coffee Friday

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/08/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	1
Advisors	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.5

### 2. Project Evaluation

#### i. General Description

The Free Coffee Friday service project provides free coffee, tea and hot chocolate to engineering students, faculty and others between classes on three Friday mornings during October and November. The first Free Coffee Friday event of the semester was held on Friday morning 8 October from 8:00 am to 10:15 am in the atrium of Hoover Hall, an area with normally a high volume of students going to and from class. Setup began at 7:30 am and cleanup was completed by 10:15 am. Assisting in holding the first event were 1 Cabinet officer, 1 initiates and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the Free Coffee Friday events is make Tau Beta Pi and the Iowa Alpha Chapter better known among Iowa State University engineering students and faculty.

#### iii. Organization and Administration

Authorization was requested and received for Iowa Alpha to hold the Free Coffee Friday two times each month. Volunteers who assist are required to take the online Food Certification Course. The atrium of Hoover Hall is a relatively high traffic area for students going to and from class, so is a good location for the event. An Advisor stores the coffee makers, coffee, tea,

hot chocolate, cups, spoons napkins, condiments, tablecloths, signs advertising the event and information material about the Chapter and brings them to the event. An on-line Microsoft Teams spreadsheet is used by the members and initiates to indicate they will volunteer to assist with serving the coffee at each event.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

Personnel requirements for each event is about 3-6 people each working for 1-2 hours. Supplies from the last Free Coffee Friday held before the Pandemic were sufficient, so no supplies were purchased for the first event.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Drinks were given away to students, faculty, and staff. Forty-five drinks were given away during the first event. The low turnout for the first event was at least partially due to the weather being relatively warm. The number of students and others visiting the building was also reduced for the past due to the pandemic. The Chapter plans to continue holding this event throughout the semester with the remaining two events being on 22 October and 5 November.

# 27 Adopt A Highway Cleanup

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/10/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	13
Advisors	1
Cabinet Officers	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Adopt-A-Highway project involves collecting trash into trash bags on both sides of a two mile stretch of Lincoln Highway on the west side of Ames. Iowa Alpha initiates and members form four groups with each group cleaning one side of the highway for 1 mile. The groups start at both ends of the 2 mile stretch of highway and meet in the middle where the bags are piled so the Iowa Department of Transportation (DOT) can pick them up. The DOT supplies bags and reflective vests for the volunteers. For the Fall semester, 1 Cabinet Officer, 1 member, 11 undergraduate initiates, 1 graduate initiate and 1 advisor participated in the cleanup.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Adopt-A-Highway cleanup provides an opportunity for initiates/electees to demonstrate their character and fulfill their service project initiation requirement by providing service to the Ames community.

#### iii. Organization and Administration

A date towards the end of the semester is chosen (generally a Sunday afternoon) in anticipation

the weather will be relatively mild. Information is sent to initiates through Canvas and members are informed through E-mail. An Iowa Alpha Advisor goes to the Department of Transportation and picks up the vests and garbage bags before the event. Because of Covid, Adopt Highway activities were suspended by the Iowa Department of Transport for 12 months from March 2020 to March 2021. In addition, safety vests and unused garbage bags no longer needed to be returned after the Adopt a Highway cleanup, as the chapter was requested by the Department of Transport to keep them for future events. The filled trash bags are stacked beside the road and picked up by the DOT.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The Chapter incurs no cost for the project – bags and vests are provided by the DOT, with transportation and disposable polyethylene/vinyl gloves supplied by the chapter. One or two Chapter Officers and/or an advisor are needed to supervise the event.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The interest in and attendance of initiates at the event was about normal. With 3-4 volunteers in each of 4 separate groups picking up trash on one side of the highway for 1 mile the cleanup was completed in less than 2 hours. The Chief Advisor used his van to collect and transport the filled garbage bags to the collection site. Fortunately, there was very good weather for the event. Iowa Alpha has carried out the Adopt-A-Highway cleanup on the same stretch of highway for over 20 years and plans to continue to undertake the cleanup each fall and spring semester in the future.

3. **Additional Attachments**

Figure 44: Volunteers collecting trash



Figure 45: Volunteers collecting trash



Figure 46: Volunteers collecting trash



Figure 47: Volunteers collecting trash



Figure 48: Trash collected by the volunteers



# 28 Initiate Small Group - Membership Point System Meeting

## 2

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/11/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	6
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a membership point tracking system to monitor member activity and participation in the chapter, as well as create rewards for active members to encourage continued participation in the chapter. The small group met on Monday from 4-5 pm. Jolie Jacobus, an Iowa Alpha member, provided leadership for the small group, which had 6 participants. Attending the second meeting were 5 initiates and the small group leader. One member of the small group, Gayle Yii, was not able to attend in-person meetings and the small group leader worked with her individually to ensure she could fulfill the requirement to participate in an initiate small group.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in

Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

na

vi. **Special Problems Encountered**

na

vii. **Overall Evaluation**

The group shared the incentives they brainstormed for the meeting. We discussed the options and thought gift cards and merch would be the easiest but still attractive prizes for members. The group decided that the top member(s) who attended/participated in the most events would be guaranteed a prize, but everyone else would receive raffle tickets for their participation in events for a raffle at the end of the semester. Group members were given the task of putting together a template for how the membership tracker would work.

## 29 Initiate Small Group - MindSET K-12 Outreach 2

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/11/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with planning and developing a STEM process from idea to final product which promotes STEM for middle and high school students. The small group met on Monday from 5-6 PM. Annika Lehan, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the second meeting were 9 initiates and the small group leader.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

##### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the

project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In the second meeting the group decided on doing a demonstration related to optics and particles by explained Rayleigh Scattering. The concepts to be demonstrated were:

Scattering of light due to particles smaller than the wavelength of the radiation

Explains why the sky is blue

Explains why sunsets are red during forest fires.

In this way the group hope to illustrate how important it was to understand the world around us. The goal for the next meeting was figuring out the experimental logistics and to facilitate this the group was divided into a Concepts Team and an Application Team.

# 30 The Drawingboard: Admin 10/12

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/12/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM

- iv. Number of persons who participated:

Category	Count
Members	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

We met to review advertising for the Drawingboard YouTube channel and talk about what editing needs to be done. We reviewed old channel content to determine what, if anything, needs to be re-recorded.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Drawingboard program exists to provide supplemental material to engineering students through instructional videos. The goal this semester is to organize the YouTube channel that has all of the previous Drawinboard videos and advertise its existence to further help engineering students at Iowa State University.

#### iii. Organization and Administration

Carmen Wilwert and Ethan Bosch will create advertising for the channel and work on channel management this semester. Chris Gelina will edit any new videos created or old videos that need editing.

#### iv. Total Cost

\$0.0

#### v. Cost Breakdown

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Today we began reviewing old video content on the YouTube channel to determine if we need to re-record any videos. We separated videos into three categories: Good, Need to Re-record, and Would Benefit from Re-recording. The last category is for videos with technical issues, such as poor audio quality, but do not have any content issues.

# 31 Initiate Small Group - District Meet and Greet Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/13/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	3
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a virtual meet and greet that includes other chapters within district 11. The small group met on Wednesday, October 6 from 3:00-4:00pm. Ash Gutierrez, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the second meeting were 3 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the

project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost for this meeting.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Our group began with some highs and lows from the previous week, and then announcements about upcoming events and due dates were given. The group then gave a short report about what was accomplished since the previous week and continued working on the project. The presentation for the upcoming meeting was started and a rough layout was created. There were a few emails from other chapters, but not enough to determine a concrete date. The meeting mostly consisted of working on the project.

## 32 Initiate Small Group - Networking Tips (Meeting #2)

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/13/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with developing and providing networking tips to our members. The second small group meeting was on October 13th from 8AM-9AM. Connor Ryan, an Iowa Alpha member, provided leadership for the small group, which had five participants. Attending the second meeting were five initiates and the small group leader.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The small group had no cost.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The second meeting allowed the initiates a chance to delegate tasks among the group, research on the topics then began. The deliverables for the project were determined to be a cheat sheet to help members navigate the week of the career fair and a list of networking tips to be included in the E-Bent.

# 33 Initiate Small Group - TBP District Website 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/13/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	3
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating the district 11 website. The small group met on Wednesday from 4pm to 5pm. District website, an Iowa Alpha Gage Fischer, provided leadership for the small group, which had 5 participants. Attending the second meeting were 3 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

This is to help get the information of our district out there more. Also, helping the district be more connected by having a list of announcements and other resources to their fellow chapters in the district.

#### iii. Organization and Administration

The main responsibilities of the project itself were split up among the initiates. This was a small group led project and everyone who was participating in the small group was to choose amongst themselves how this was to be split evenly and tackled.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In this meeting, initiates chose the pages they would be responsible for developing/modifying and work on website began with the objective of each person completing their part of the website by the third meeting.

# 34 Initiate Small Group Engineering Gala Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/14/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a fun event for ISU engineers to get together, socialize, and have some fun once COVID is over. This will be a relatively formal event but could make it a fun gala with music or some cool shows. It will allow more people to find out about Tau Beta Pi and let students/faculty meet in a relaxed setting. Our goal is to find some places that could host this event. Maybe some place around campus or something off campus (Elks Lodge/ISU museum/Reiman Garden if outside/Scheman building). The tricky part will likely be finding beverage/food providers, music, and staying within a budget. The small group met on Tuesday afternoon from 6:00-7:00 pm. Joshua Heroldt, an Iowa Alpha cabinet member, provided leadership for the small group, which had 1 participant following the decision of the second participant to not continue with the initiation process. Attending the second meeting was 1 initiate and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating

the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None so far

vi. **Special Problems Encountered**

The small group ended up having only 1 initiate participate.

vii. **Overall Evaluation**

The initiate and I discussed that was done during the last week and what needed to be done for next week. Ideas for the power point presentation were also shared due to only having a single member. We additionally discussed the marketing strategy for the project and what the rollout of the marketing strategy would be.

# 35 Initiate Small Group: Banquet Sponsorship - Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/14/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process, initiate small groups are formed. This small group was tasked with getting the new member banquet sponsored by some engineering companies. The small group met on Thursdays from 4:00-5:00 pm. Ellie Diersen, an Iowa Alpha member, provided leadership for the small group, which had 10 participants. Attending the second meeting were 10 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Each initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost to the chapter for the initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

The meeting was started with a general greeting and the agenda for the day. The small group leader, Ellie Diersen, briefed everyone on the goal for this meeting: compile a list of sponsors from all small group members. Each initiate filled out the attendance sheet and navigated to the Microsoft Teams page for their small group. There, each initiate added the companies that they scouted out from last week to an Excel spreadsheet. A list of a variety of companies was created and each company had a method of contact either by phone or by email. The meeting concluded with a summary of the goals for the rest of the small group. Each initiate should contact a company on the list sometime between now and the next meeting to ask if they are able to provide any financial assistance or food services.

# 36 Initiate Small Group - Service Project Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/14/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	10

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating a service project for our chapter. The group meets on Thursday at 4:30 - 5:30 PM in Black Engineering 1026. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 10 initiates. All 10 initiates attended the second meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In this second meeting, our initiate small group finalized our service projects. Our chapter will have a clean up day for our campus instead of contacting the school departments and volunteer at Food at First. We decided to host the events on Sunday, November 7 and Sunday, November 14 (depending on when Food at First is available, we will have the campus clean up on the other date). The group also had time to start working on the presentation for the general meeting.

# 37 Bent Polishing

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/17/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM

- iv. Number of persons who participated:

Category	Count
Initiates	18
Advisors	1
Members	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

### 2. Project Evaluation

#### i. General Description

During the Bent Polishing activity, initiates receive a flat cast bronze bent to polish, which they are expected to wear during the initiation ceremony and banquet. The first bent polishing party was held Sunday afternoon 17 October 2021. Attending were, 18 initiates, 4 cabinet officers and 1 advisor. The chapter membership fee of \$35.00 was paid by 14 of the initiates who polished their bent.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Iowa Alpha has had a tradition of Tau Beta Pi initiates being given bents to polish and wear during the initiation ceremony.

#### iii. Organization and Administration

The Chapter has 4 belt and disk sanders, files, vices and other polishing equipment for initiates to use to polish their bents. Sunday afternoon from 1:00 – 4:00 p.m. was selected for the bent polishing activity. Initiation Officers and members supervise use of the equipment and initiates are required to wear safety glasses and gloves when using the power equipment. Initiates are sent an E-mail invitation to attend, and are requested to pay their \$35.00 chapter initiation fee at the event, if they have not already done so. To facilitate effective use of the power equipment, initiates are requested to sign up for 1 hour time slots using a Doodle Poll.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The \$6.75 cost of each bent is included in the initiation fees. Four to five officers/members are needed to set up the polishing equipment and supervise the initiates.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The bent polishing activities went smoothly. The Chapter was able to use the Student Innovation Laboratory in Sukup Hall for bent polishing, which worked quite well. The Initiate attendance at the event was smaller than the recent past with 18 initiates polishing their bents. This was about 35% of the initiates who need to polish their bents so a larger number of initiates are expected to attend the second bent polishing party on Saturday, 30 October. The power equipment was in high demand by initiates during the first 2 hours with fewer initiates the rest of the afternoon. In addition to polishing their bents 14 initiates who attended bent polishing paid their \$35.00 chapter membership fees.

3. **Additional Attachments**

Figure 49: Bent Polishing Registration



Figure 50: Bent polishing



Figure 51: Initiates with polished bents



# 38 Initiate Small Group - Membership Point System Meeting

## 3

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/18/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a membership point tracking system to monitor member activity and participation in the chapter, as well as create rewards for active members to encourage continued participation in the chapter. The small group met on Monday from 4-5 pm. Jolie Jacobus, an Iowa Alpha member, provided leadership for the small group, which had 5 participants as 1 initiate in this small group chose not to continue the initiation process. Attending the third meeting were 4 initiates and the small group leader. One members of the small group, Gayle Yii was not able to attend the in-person meeting and the small group leader worked with her individually to ensure she could fulfill the requirement to participate in an initiate small group.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in

Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

na

vi. **Special Problems Encountered**

na

vii. **Overall Evaluation**

The group shared their templates and decided on one to proceed with as the final product. We discussed what more we needed to nail down before we were done, and worked on slides for the final presentation.

3. **Additional Attachments**

Figure 52: Membership Point System Spreadsheet

Final Product											
Input GM Data Here	sorted data	Name	General Meeting Points	Input Volunteer Data Here	sorted data	Name	Volunteer Meeting Points	Multiplier	Name	Total Points	Ranking
W	B	A	0	D	A	A	1	2	A	2	15
M	E	B	1	X	B	B	1	2	B	3	10
V	E	C	0	L	C	C	1	2	C	2	15
I	E	D	0	D	D	D	2	4	D	4	5
M	F	E	3	W	D	E	0	0	E	3	10
F	F	F	2	W	F	F	1	2	F	4	6
P	H	G	0	X	I	G	0	0	G	0	22
E	H	H	2	I	J	H	0	0	H	2	15
E	I	I	1	S	L	I	1	2	I	3	10
K	J	J	2	A	L	J	1	2	J	4	6
M	J	K	2	M	M	K	0	0	K	2	15
S	K	L	2	Y	M	L	2	4	L	6	4
W	K	M	3	J	P	M	2	4	M	7	2
H	L	N	0	Y	Q	N	0	0	N	0	22
E	L	O	0	P	Q	O	0	0	O	0	22
Q	M	P	1	Q	S	P	1	2	P	3	10
H	M	Q	1	W	T	Q	2	4	Q	5	5
U	M	R	0	C	W	R	0	0	R	0	22
K	P	S	1	Q	W	S	1	2	S	3	10
F	Q	T	0	T	W	T	1	2	T	2	15
B	S	U	1	F	W	U	0	0	U	1	20
L	U	V	1	L	X	V	0	0	V	1	20
J	V	W	2	M	X	W	4	8	W	10	1
Y	W	X	0	W	Y	X	2	4	X	4	6
J	W	Y	1	Y	Y	Y	3	6	Y	7	2
L	Y	Z	0	B	Y	Z	0	0	Z	0	22

# 39 Initiate Small Group - MindSET K-12 Outreach 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/18/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with planning and developing a STEM process from idea to final product which promotes STEM for middle and high school students. The small group met on Monday from 5-6 PM. Annika Lehan, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the third meeting were 9 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the

project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In the third meeting the group the Concepts Team created the presentation covering background and applications and tailored the presentation to middle school audience.

The Application Team developed the scattering demonstration, created an items list for purchase of materials and practiced demonstrating color change in smoke to present to the middle school students. The date for presentation to the Ames Middle School was confirmed for Monday, 1 November.

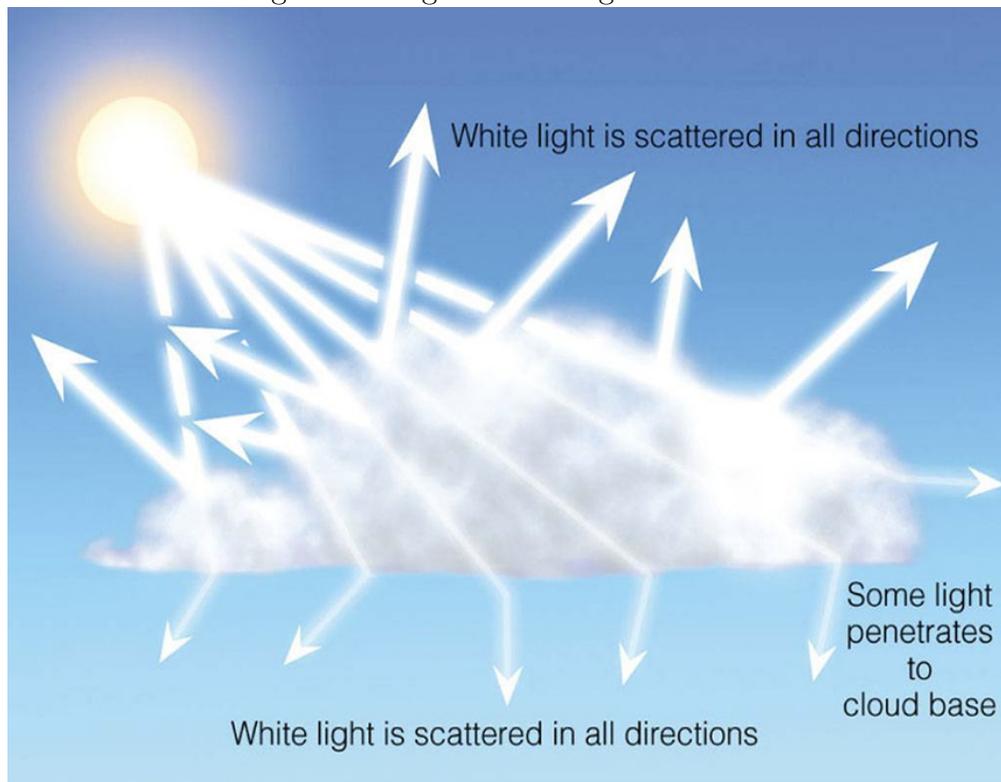
Time was also spent preparing the PowerPoint presentation at the General Meeting-Small Group presentations on 2 November.

3. **Additional Attachments**

Figure 53: Application and Concept Teams



Figure 54: Light Scattering Illustration



# 40 General Meeting - Financial Success

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/19/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	25
Advisors	1
Cabinet Officers	5
Members	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the fifth General Meeting of the semester and was attended by 5 Cabinet officers, 4 members, 23 undergraduate initiates, 2 graduate initiates, 1 guest and 1 Advisor. The guest speaker was Andrea Dahl, a Financial Aid Advisor from the Iowa State University Office of Student Financial Aid.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$36.32

v. **Cost Breakdown**

Snacks were provide for meeting attendees at a cost of 36.32.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was very successful. Andrea Dahl the guest speaker talked about the financial aid available to students and their parents as well as grants, scholarships, work-study and other assistance available to students. She then answered the questions of students attending the meeting.

3. **Additional Attachments**

Figure 55: Presentation Introduction



Figure 56: Meeting attendees



Figure 57: Meeting Attendees



# 41 Initiate Small Group - District Meet & Greet Meeting 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/20/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	3
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a virtual meet and greet that includes other chapters within district 11. The small group met on Wednesday, October 6 from 3:00-4:00pm. Ash Gutierrez, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the third meeting were 3 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the

project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost for this meeting.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

This meeting consisted of confirming that all work had been finished and practicing for the upcoming presentation. The major concern here was a lack of communication between chapters. Two weeks in and the group had only one other chapter show interest. The group came up with an alternative activity if there was not enough participants of other chapters. One of the activities planned was for members to describe their school vaguely and have other participants try and guess. The group decided that if numbers were low, they would change it to describing hometowns instead. The date of the event was finalized using the responses thus far received as Wednesday, November 10, 2021 from 7 - 8 pm. The group went through a practice run of both the Small Group Presentation meeting and what the event flow would look like.

## 42 Initiate Small Group - Networking Tips (Meeting #3)

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/20/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM

- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with developing and providing networking tips to our members. The small group met on October 20th from 8AM-9AM. Connor Ryan, an Iowa Alpha member, provided leadership for the small group, which had five participants. Attending the third meeting were five initiates and the small group leader.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The small group had no cost.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

During the third meeting, initiates worked to finish their project presentation. The group decided each individual would present the information they had worked on. Since the majority of work for the project was completed there will be no fourth meeting, but initiates will practice individually in preparation for the small group presentation.

3. **Additional Attachments**

Figure 58: Career Fair Playbook page 1

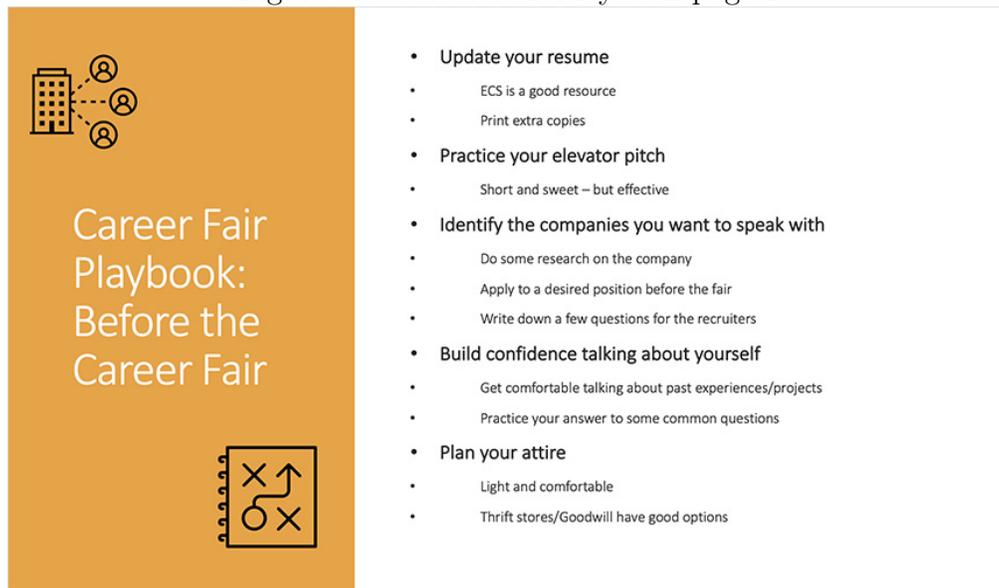


Figure 59: Career Fair Playbook page 2



## Career Fair Playbook: During the Career Fair



**Get Contact Info!**

- Collect/Ask for business cards of any company you talk to at the fair.
- You will have direct contact with hiring and engineering team managers.
- Will be useful to follow up after the fair.

**Go at the start so recruiters are fresh and active.**

**Bring the discussion back to the company/team.**

- Have good talking points in mind to get recruiters to go into more detail about the company.
- Listen to what the recruiter values and relate those to your own values as a candidate.

**Emphasize being a great team player**

- Companies want to work with good people, not just good engineers.

**It's okay to be nervous!**

- "Warm up" on companies you aren't focused on.
- Take breaks, drink water.

Figure 60: Career Fair Playbook page 3

## Career Fair Playbook: After the Career Fair



**Reach out to the recruiters you spoke to**

Thank them for their time and effort at the fair

Talk about your thoughts on the conversation



**Reflect on your performance**

Pitch, confidence, discussions



**Think about the next step**

Apply for any positions you haven't

Reach out to any contacts your recruiter gave you



**If you got a next-day interview**

Brush up on company research

Look at the position's qualifications – relate them to you

# 43 Initiate Small Group - TBP District Website 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/20/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Advisors	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating the district 11 website. The small group met on Wednesday from 4pm to 5pm. District website, an Iowa Alpha Gage Fischer, provided leadership for the small group, which had 5 participants. Attending the third meeting were 5 initiates, the small group leader and Dr. James Hill, District 11 Director and Iowa Alpha Advisor.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

This is to help get the information of our district out there more. Also, helping the district be more connected by having a list of announcements and other resources to their fellow chapters in the district.
- iii. **Organization and Administration**

The main responsibilities of the project itself were split up among the initiates. This was a small group led project and everyone who was participating in the small group was to choose amongst themselves how this was to be split evenly and tackled.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

Special problems that arose mainly was making sure we were covering all the requirements given to us by Dr. Hill.

vii. **Overall Evaluation**

During the third meeting, development of each page of the District Website was reviewed in consultation with Dr. Hill and agreement was reached on changes/improvements needed. Assignments were also made concerning preparation of the small group presentation to be made at the General meeting on November 2.

# 44 Initiate Small Group - Service Project Meeting 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/21/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	9

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating a service project for our chapter. The group meets on Thursday at 4:30 - 5:30 PM in Black Engineering 1026. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 10 initiates. 9 initiates attended the third meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In the third meeting, our group worked on the small group presentation for a future General Meeting. We finished the PowerPoint and discussed who would present which slides/topics. We also confirmed the final logistics such as location and time for both service projects.

# 45 Initiate Small Group Engineering Gala Meeting 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/21/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a fun event for ISU engineers to get together, socialize, and have some fun once COVID is over. This will be a relatively formal event but could make it a fun gala with music or some cool shows. It will allow more people to find out about Tau Beta Pi and let students/faculty meet in a relaxed setting. Our goal is to find some places that could host this event. Maybe some place around campus or something off campus (Elks Lodge/ISU museum/Reiman Garden if outside/Scheman building). The tricky part will likely be finding beverage/food providers, music, and staying within a budget. The small group met on Tuesday afternoon from 6:00-7:00 pm. Joshua Heroldt, an Iowa Alpha cabinet member, provided leadership for the small group, which had 1 participant. Attending the third meeting was 1 initiate and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the

large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

The small group ended up with only 1 initiate participating.

vii. **Overall Evaluation**

The initiate and I discussed the updates to the project so far. We have called and worked with the Iowa State Alumni center to host the event and are working on booking a DJ currently. We have also reached out to a lot of clubs at Iowa State who will help us market the event. Additionally we are planning on sending out a mass email to all engineering student to promote the event.

### 3. Additional Attachments

Figure 61: Engineering Gala Outcome

## Outcome

- The event was successfully planned using the research provided by the previous group.
- The venue, entertainment, and catering are ready to be booked.
- Marketing strategy is prepped and ready to be executed closer to the event.
- The finances for the event have been evaluated.

Figure 62: Engineering Gala Flyer

# **E**ngineering Gala

- \* Network with fellow engineering students.
- \* Enjoy an evening with food and entertainment.

**When: February 12th @7:00**

**Where: ISU Alumni Center**



**Tau Beta Pi**  
The Engineering Honor Society

# 46 Initiate Small Group: Banquet Sponsorship - Meeting 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/21/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	8
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process, initiate small groups are formed. This small group was tasked with getting the new member banquet sponsored by some engineering companies. The small group met on Thursdays from 4:00-5:00 pm. Ellie Diersen, an Iowa Alpha member, provided leadership for the small group, which had 10 participants. Attending the third meeting were 8 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Each initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost to the chapter for the initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In today's meeting, attendance was taken and the small group leader, Ellie Diersen, answered any general questions that the initiates had. The goal for today was to get the project completed and have the presentation ready to go. Attendance was not perfect, so we will be meeting again next week for those who did not attend the meeting this week. Most of the initiates have not heard back from the companies they contacted, which is reasonable because it has only been a week since they contacted them the first time. The initiates navigated to the Microsoft Teams page and located their PowerPoint presentation. Within this PowerPoint, the initiates used the STAR method to report the accomplishments of the small group. The initiates used fun backgrounds and images to make their presentation more interesting. Also, any questions the initiates had while filling out the presentation were answered by the small group leader, Ellie Diersen. For the next meeting, initiates will finish their presentation slides and determine who will present what slides.

# 47 Free Coffee Friday

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/22/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	6
Advisors	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.5

### 2. Project Evaluation

#### i. General Description

The Free Coffee Friday service project provides free coffee, tea and hot chocolate to engineering students, faculty and others between classes on three Friday mornings during October and November. The second Free Coffee Friday event of the semester was held on Friday morning 22 October from 8:00 am to 10:15 am in the atrium of the new Student Innovation Center, an area with normally a high volume of students, faculty and campus visitors. Setup began at 7:30 am and cleanup was completed by 10:25 am. Assisting in holding the second event were 1 Cabinet officer, 6 initiates and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the Free Coffee Friday events is make Tau Beta Pi and the Iowa Alpha Chapter better known among Iowa State University engineering students and faculty.

#### iii. Organization and Administration

Authorization was requested and received for Iowa Alpha to hold the Free Coffee Friday in the Student Innovation Center. Volunteers who assist are required to take the online Food Certification Course. The atrium of the Student Innovation Center is a relatively high traffic area for students, faculty and campus visitors, so is a good location for the event. An Advisor stores

the coffee makers, coffee, tea, hot chocolate, cups, spoons napkins, condiments, tablecloths, signs advertising the event and information material about the Chapter and brings them to the event. An on-line Microsoft Teams spreadsheet is used by the members and initiates to indicate they will volunteer to assist with serving the coffee at each event.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

Personnel requirements for each event is about 3-6 people each working for 1-2 hours. Supplies from the last Free Coffee Friday held before the Pandemic were sufficient, so no supplies were purchased for the second event.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Drinks were given away to students, faculty, and visitors. Seventy-three drinks were given away during the second event. The turnout for the second event was much better than the first event due to the weather being cooler, and a fairly large number of campus visitors to the Student Innovation Center due to it being homecoming weekend. A number of former engineering graduates and Tau Beta Pi members stopped by for drinks and to visit. The Chapter plans to continue holding this event throughout the semester with the remaining event being on 5 November.

3. **Additional Attachments**

Figure 63: Volunteers ready for severing drinks



Figure 64: The first visitor



Figure 65: More visitors



Figure 66:



Figure 67:



# 48 Initiate Small Group - Membership Point System Meeting

## 4

### Iowa Alpha

#### 1. Project Information

- i. Date(s): 10/25/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	5

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

#### 2. Project Evaluation

##### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a membership point tracking system to monitor member activity and participation in the chapter, as well as create rewards for active members to encourage continued participation in the chapter. The small group met on Monday from 4-5 pm. Jolie Jacobus, an Iowa Alpha member, provided leadership for the small group, which had 5 participants as 1 initiate in this small group chose not to continue the initiation process. Attending the third meeting were 4 initiates and the small group leader. One members of the small group, Gayle Yii was not able to attend the in-person meeting and the small group leader worked with her individually to ensure she could fulfill the requirement to participate in an initiate small group.

##### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in

Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

na

vi. **Special Problems Encountered**

na

vii. **Overall Evaluation**

The group completed their presentation and practiced the presentation for the general meeting - small group presentations.

# 49 The Drawingboard: Admin 10/26

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/26/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	2.0

### 2. Project Evaluation

- i. **General Description**

We met to work on script writing for videos we want to re-record. Chris is working on figuring out which videos with technical issues can be salvaged from old files.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The Drawingboard program exists to provide supplemental material to engineering students through instructional videos. The goal this semester is to organize the YouTube channel that has all of the previous Drawinboard videos and advertise its existence to further help engineering students at Iowa State University.
- iii. **Organization and Administration**

Carmen Wilwert and Ethan Bosch will create advertising for the channel and work on channel management this semester. Chris Gelina will edit any new videos created or old videos that need editing.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Today we worked on script writing for videos to re-record. Ethan wrote a script for a U substitution video which we reviewed. We wrote a script for a log rules video. We wanted to start a Boolean algebra script, but realized that none of us have taken the appropriate coursework to recreate the original video. We are planning to ask a computer engineering student from the chapter to help us with that video at the next general meeting.

# 50 Initiate Small Group: Banquet Sponsorship - Meeting 4

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/28/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process, initiate small groups are formed. This small group was tasked with getting the new member banquet sponsored by some engineering companies. The small group met on Thursdays from 4:00-5:00 pm. Ellie Diersen, an Iowa Alpha member, provided leadership for the small group, which had 10 participants. Attending the fourth meeting were 5 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Each initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost to the chapter for the initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In the fourth meeting, attendance was taken and the small group leader, Ellie Diersen, answered any general questions that the initiates had. The goal for today was to get the project completed and have the presentation ready to go for the final presentation at the general meeting, Tuesday, November 2. This meeting was mostly for those who did not attend the meeting last week and needed a makeup meeting for their initiation requirements. After the meeting, the initiates were tasked with selecting a slide to present and practicing what they will say. Although this small group was unsuccessful in getting a sponsor at this time, that does not necessarily mean we cannot get a sponsor in the future.

# 51 Initiate Small Group Engineering Gala Meeting 4

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/28/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a fun event for ISU engineers to get together, socialize, and have some fun once COVID is over. This will be a relatively formal event but could make it a fun gala with music or some cool shows. It will allow more people to find out about Tau Beta Pi and let students/faculty meet in a relaxed setting. Our goal is to find some places that could host this event. Maybe some place around campus or something off campus (Elks Lodge/ISU museum/Reiman Garden if outside/Scheman building). The tricky part will likely be finding beverage/food providers, music, and staying within a budget. The small group met on Tuesday afternoon from 6:00-7:00 pm. Joshua Heroldt, an Iowa Alpha cabinet member, provided leadership for the small group, which had 1 participant. Attending the fourth meeting was 1 initiate and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the

large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

The small group ended up with only 1 initiate participating.

vii. **Overall Evaluation**

The initiate and small group leader mainly worked on preparation of the small group presentation to be made at the General meeting on November 2, 2021.

# 52 Bent Polishing 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 10/30/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	25
Advisors	1
Members	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

### 2. Project Evaluation

- i. **General Description**

During the Bent Polishing activity, initiates receive a flat cast bronze bent to polish, which they are expected to wear during the initiation ceremony and banquet. The second bent polishing party was held Saturday afternoon 30 October 2021. Attending were, 25 initiates, 4 cabinet officers and 1 advisor. The chapter membership fee of \$35.00 was paid by 18 of the initiates who polished their bent.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

Iowa Alpha has had a tradition of Tau Beta Pi initiates being given bents to polish and wear during the initiation ceremony.
- iii. **Organization and Administration**

The Chapter has 4 belt and disk sanders, files, vices and other polishing equipment for initiates to use to polish their bents. Saturday afternoon from 1:00 – 4:00 p.m. was selected for the second bent polishing activity. Initiation Officers and members supervise use of the equipment and initiates are required to wear safety glasses and gloves when using the power equipment. Initiates are sent an E-mail invitation to attend, and are requested to pay their \$35.00 chapter initiation fee at the event, if they have not already done so. To facilitate effective use of the power equipment, initiates are requested to sign up for 1 hour time slots using a Doodle Poll.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The \$6.75 cost of each bent is included in the initiation fees. Four to five officers/members are needed to set up the polishing equipment and supervise the initiates.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The bent polishing activities went smoothly. The Chapter was able to use the Student Innovation Laboratory in Sukup Hall for bent polishing, which worked quite well. The Initiate attendance at the event was fairly high with more than half of the semester's initiates polishing their bents. All but 6 of the initiates who need to polish their bents did so during the second bent polishing session. The power equipment was in high demand by initiates during the first 2 hours with fewer initiates the rest of the afternoon. In addition to polishing their bents 18 initiates who attended bent polishing paid their \$35.00 chapter membership fees.

3. **Additional Attachments**

Figure 68: Initiates polishing their bents



Figure 69: Initiates polishing their bents



# 53 Initiate Small Group - MindSET K-12 Outreach Middle School Presentation

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/01/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	8
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The MindSET K-12 small group visited the Ames Middle School on 1 November to make their presentation the students. Participating in the presentation were 8 initiates and the small group leader. Approximately 15 middle school students participated in the demonstration and discussion.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The presentation to the Ames Middle School went very well. The students were interested and engaged in the demonstration and the discussion that followed. Similar, outreach activities through the MindSET K-12 Outreach Initiative Small Groups will continue to be organized in the future.

3. **Additional Attachments**

Figure 70: Rayleigh scattering demonstration

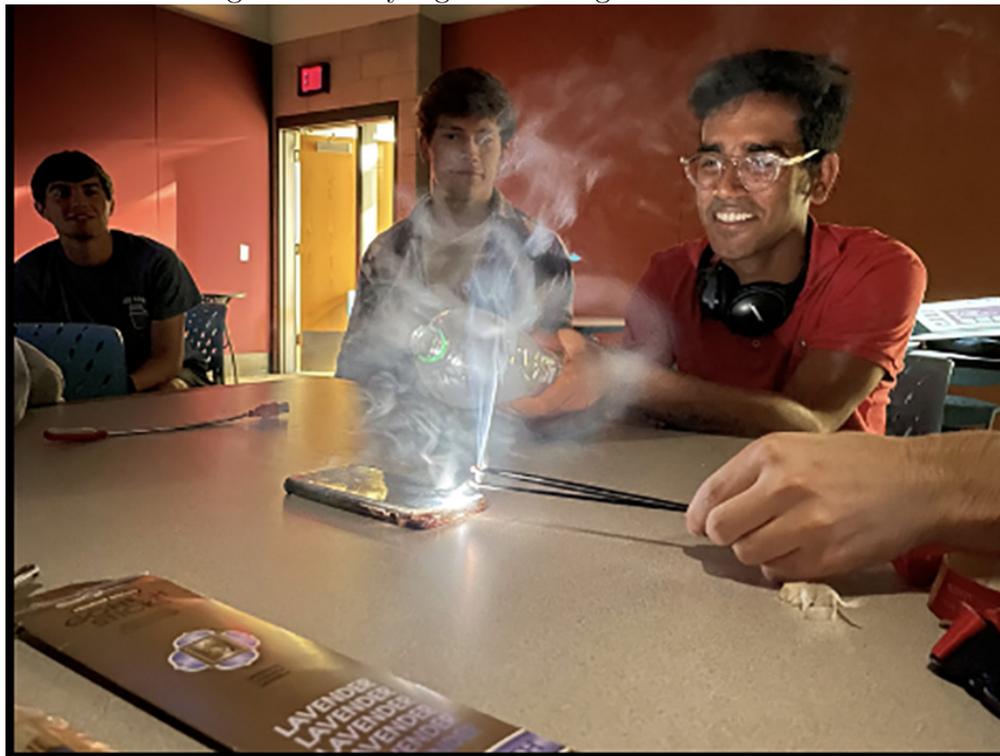


Figure 71: Concept discussion



Figure 72: Question and Answer Session



# 54 The Drawingboard: Admin 11/2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/02/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	2.0

### 2. Project Evaluation

- i. **General Description**

We met to record videos on logarithm rules and U substitution.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The Drawingboard program exists to provide supplemental material to engineering students through instructional videos. The goal this semester is to organize the YouTube channel that has all of the previous Drawinboard videos and advertise its existence to further help engineering students at Iowa State University.
- iii. **Organization and Administration**

Carmen Wilwert and Ethan Bosch will create advertising for the channel and work on channel management this semester. Chris Gelina will edit any new videos created or old videos that need editing. Carmen and Ethan will record any necessary videos.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

N/A
- vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Today we re-recorded videos on logarithms and U substitution. These videos had previously been uploaded to the channel, but no longer meet our quality standards. The videos will be edited over the next week and uploaded to the channel to replace the older lower quality videos.

# 55 General Meeting - Small Group Presentations

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/02/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	42
Advisors	2
Members	16
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.5

### 2. Project Evaluation

- i. **General Description**

This was the sixth General Meeting of the semester and was attended by 10 Cabinet officers, 6 members, 40 undergrad initiates, 2 graduate student initiates, and 2 Advisors. This meeting was used for initiates to present what they had worked on in their small groups.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.
- iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting went very well. Small group presentations are always something members look forward to. This semester, the small groups consisted of Banquet Sponsorship, District Meet & Greet, District Website, Engineering Gala, K-12 Outreach, Membership Point System, Networking Tips, and Service Project. All projects had a satisfactory conclusion and the chapter was happy with the work the initiates put into their projects.

3. **Additional Attachments**

Figure 73: Initiate Presenters

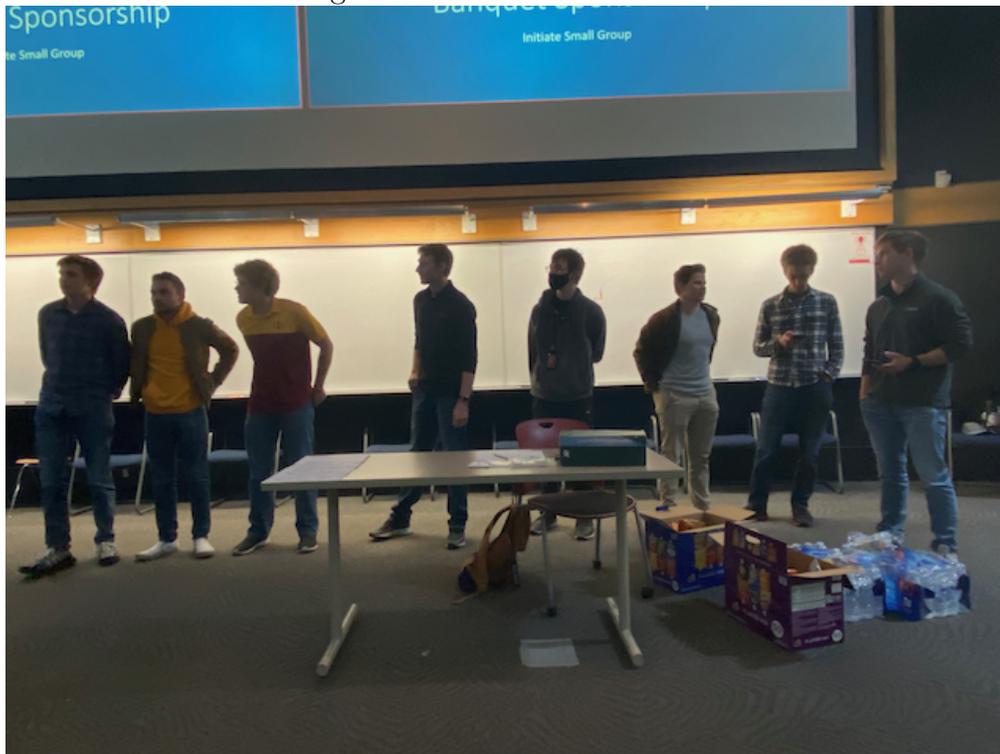


Figure 74: Initiate Presenters



Figure 75: Project Outcome Slides

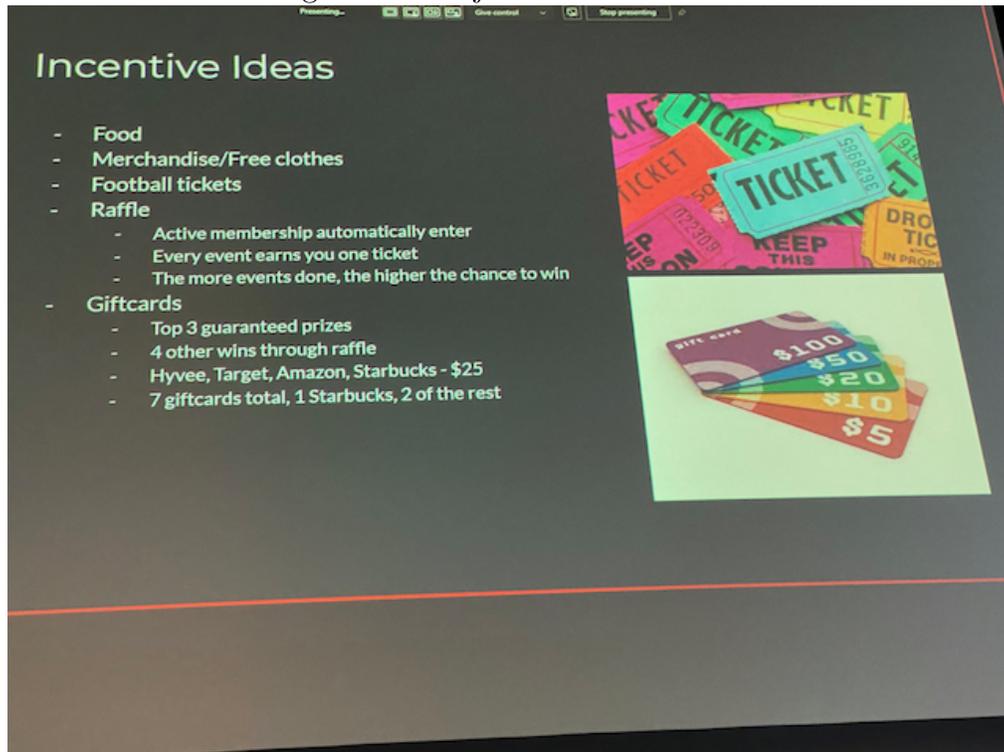


Figure 76: Project Outcome Slides

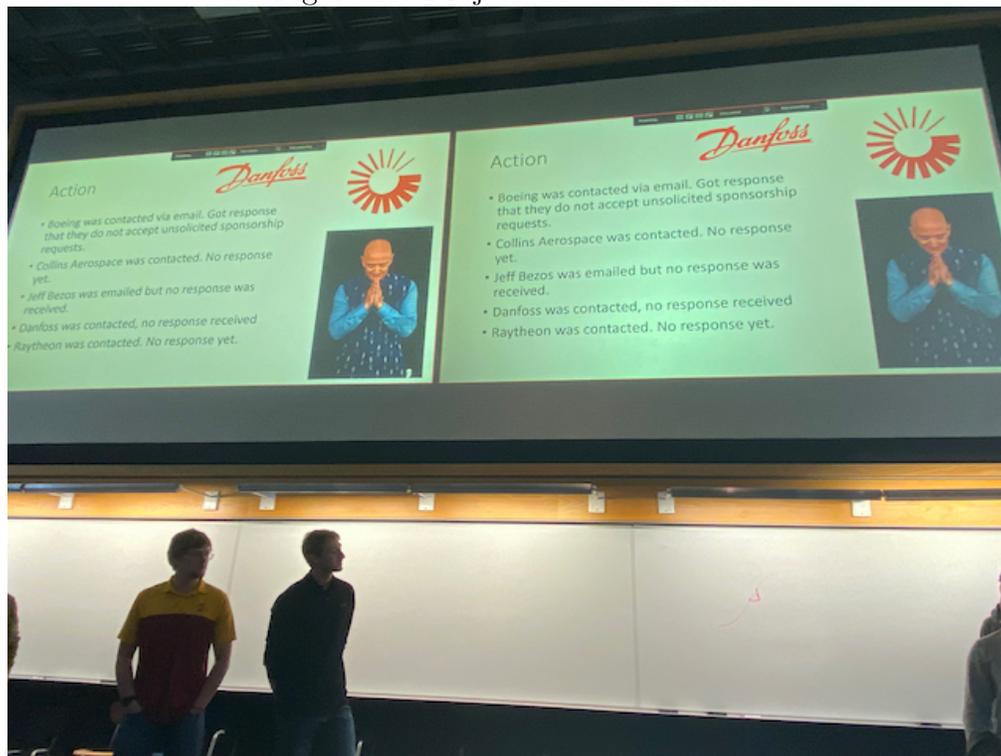
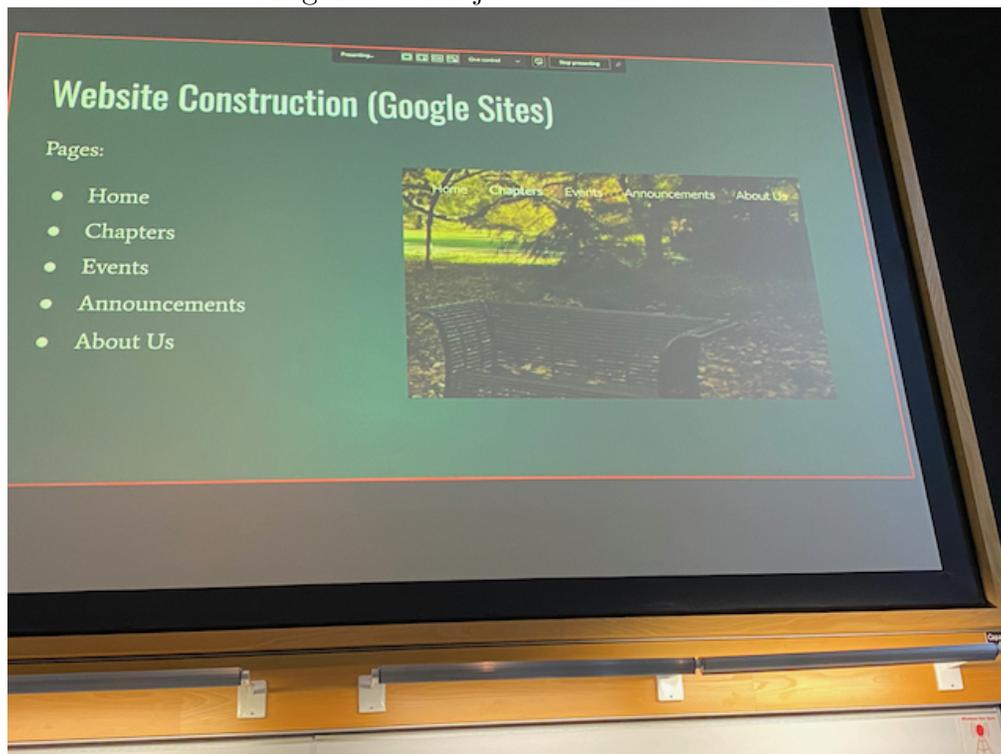


Figure 77: Project Outcome Slides



# 56 General Meeting - New Member Elections

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/02/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	10
Members	7
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This meeting was held after the sixth General Meeting of the semester at which the members of the initiate small groups made their presentations. The new member election was attended by 10 Cabinet officers, 7 members, and 1 Advisor. After the small group leaders presented their evaluation of the members of their small groups, members and cabinet officer in attendance at the meeting voted on which initiates to elect for initiation into the chapter.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities. Election of new members is one of the most important functions of the chapter.

#### iii. Organization and Administration

It is an Iowa Alpha tradition to hold the election of new members following the general meeting at which the initiate small groups make a presentation the results of their group. While all members are invited to participate in the election, cabinet officers and small group leaders who have the most knowledge of the qualifications of the initiates in their small group are requested to attend or submit information on participation of the initiates in their small group.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was very efficient. After deactivating members who were not present, all initiates who were seen to embody the principles of Tau Beta Pi and had completed or were on track to complete their requirements for initiation were elected to membership. This included 43 undergraduate students and 2 graduate students.

# 57 Free Coffee Friday 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/05/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM

- iv. Number of persons who participated:

Category	Count
Advisors	1
Electees	7

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Free Coffee Friday service project provides free coffee, tea and hot chocolate to engineering students, faculty and others between classes on three Friday mornings during October and November. The third Free Coffee Friday event of the semester was held on Friday morning 5 November from 8:00 am to 10:15 am in the atrium of Hoover Hall, an area with normally a high volume of students going to and from class. Setup began at 7:30 am and cleanup was completed by 10:15 am. Assisting in holding the third event were 7 electees and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the Free Coffee Friday events is make Tau Beta Pi and the Iowa Alpha Chapter better known among Iowa State University engineering students and faculty.

#### iii. Organization and Administration

Authorization was requested and received for Iowa Alpha to hold the Free Coffee Friday two times each month. Volunteers who assist are required to take the online Food Certification Course. The atrium of Hoover Hall is a relatively high traffic area for students going to and from class, so is a good location for the event. An Advisor stores the coffee makers, coffee, tea, hot chocolate, cups, spoons napkins, condiments, tablecloths, signs advertising the event and information material about the Chapter and brings them to the event. An on-line Microsoft Teams spreadsheet is used by the members and electees to indicate they will volunteer to assist with serving the coffee at the event.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

Personnel requirements for each event is about 3-6 people each working for 1-2 hours. Supplies from the last Free Coffee Friday held before the Pandemic were sufficient, so no supplies were purchased for the third event.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Drinks were given away to students, faculty, and staff. Thirty-two drinks were given away during the third event. The low turnout for the third event was at least partially due to the number of students and others visiting the building due to the pandemic. The Chapter plans to continue holding this event in the future, but may consider moving it to the Student Innovation Center, which hosted the second event and had a larger number of people stopping for coffee and hot chocolate than either of the events in Hoover Hall.

3. **Additional Attachments**

Figure 78: Set up complete



Figure 79: Volunteers for the event

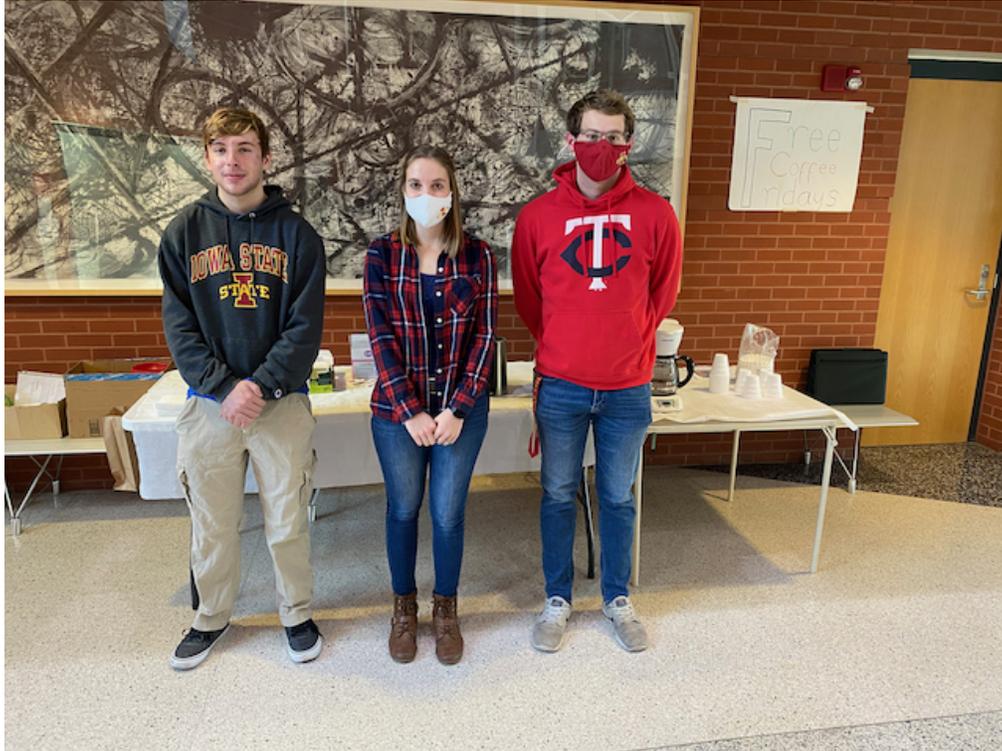


Figure 80: One of the students served



Figure 81: One of the students served



# 58 Campus Clean Up

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/07/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Cabinet Officers	1
Members	1
Electees	5

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The campus clean up event was organized by the service project initiate small group as one of its two service activities. The project involved picking up trash on and around campus. The volunteers met at the entrance of Howe Hall and picked up trash in the engineering area of campus for two hours until disposing of the trash bags in campus dumpsters. Participating in the campus cleanup were 1 cabinet office, 1 member and 5 electees.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The campus clean up event provided electees an opportunity to demonstrate their character and fulfill their requirement for two service project hours by improving campus quality.

#### iii. Organization and Administration

The campus clean up event was organized by the service project initiate small group. The group was tasked with coming up with a service project event, setting up the meeting time and locations, informing the electees of the event, and providing information to those attending. The Chief Advisor provided gloves and garbage bags for the campus cleanup from the stock of garbage bags and gloves maintaining for the Adopt a Highway cleanup held each semester.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The gloves and trash bags were available at no cost. The small group leader and one member provide leadership for the event.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The areas cleaned up on campus became noticeably cleaner and all bags were disposed of in campus dumpsters. Overall the project was successful in serving the campus community and demonstrating the character of the electees who participated in the project. The attendance at the event was good, with both electees in the initiate small group service project and Iowa Alpha members participating in the cleanup.

3. **Additional Attachments**

Figure 82: Volunteers for the event



Figure 83: Picture of Campus



# 59 District 11 Meet and Greet Event

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/10/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Guest	6
Advisors	1
Members	1
Electees	9

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The District 11 Meet and Greet Event was organized the Initiate Small Group tasked with development of a virtual meet and greet with District 11 Tau Beta Pi Chapters. The small group leader and its 3 members did all of the preparation of the event and contacted the other District 11 chapters to setup a date and time for the event. Members and electees from Iowa Alpha were invited to participate and other District 11 chapters were requested to contact their members and initiates to invite them the participate. In total there were 17 participates included: 2 members each from Michigan Beta, Minnesota Alpha and Minnesota Beta as well as 1 member, 9 electees, and 1 advisor from Iowa Alpha.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Promote a sense of community and further liberal culture between current and future members of Tau Beta Pi Chapters in District 11.

#### iii. Organization and Administration

Organization of the event was carried out by the leader and members of the Iowa Alpha Initiate Small Group tasked with brainstorming activities for the event (identification of a city based

up three photos was chosen), contacting other District 11 chapters to identifying a date and time convenient to them (Wednesday evening, 11 November from 7:00 to 8:00 pm was chosen), identify a virtual software for the event (WebEx was chosen) and carryout the District 11 Meet and Greet Event itself.

iv. **In Conjunction With**

Other District 11 Chapters

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

None

vii. **Special Problems Encountered**

None

viii. **Overall Evaluation**

For the the Iowa Alpha Chapter and the other District 11 Chapters who had individuals participate the event was a success. The attendees enjoyed participating in the Geolocator game (guessing the world city based on three pictures). They also enjoyed visiting with each other and learning about the participants from the other chapters. It is an event Iowa Alpha would like to try to organize again in the future, hopefully with the participation of more District 11 Chapters.

# 60 Tau Beta Pi Certificate Pick-up

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/12/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Electees	10

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

With virtual initiation ceremonies for the Spring and Fall 2020 initiates, the newly initiated members did not receive their membership certificates, pins, and cards in person. Therefore, an opportunity for members to pick up these materials was necessary. The purpose of this event was to provide the opportunity for members to collect their certificates, pins, and cards and for Tau Beta Pi - Iowa Alpha Scholars to collect the Award Certificates. The event was held from 8:00 am to 2:00 pm. Ten electees and 1 advisor participated in the event with each electee working a 2-hour shift, with 3 volunteers in each shift. The event was held in the atrium of Howe Hall, an easily accessible engineering building with an open area to allow social distancing and a location known to all members and scholars.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

This project facilitated two principal objectives: 1) allowed members to pick up their membership materials and 2) allow electees to complete their volunteer hours initiation requirement.

#### iii. Organization and Administration

Members who had not previously received certificates, pins and cards and scholars who had not received their award certificates were contacted by E-mail several weeks prior to the event. A six-hour time period was provided for pick up to minimize the chance of time conflict with classes try to maximizing materials picked up. There were 142 members and 22 scholars needing to pick up their materials.

iv. **Total Cost**

\$37.46

v. **Cost Breakdown**

Pizza was purchased for the electees assisting with the event at a cost of 37.46.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

While it was hoped all cards, pins, and certificates would be picked up during the 6 hour time period, unfortunately this did not happen. However, 63 members and 11 scholars did pick up their materials. It is planned to hold a similar session in the spring semester with the hope that the members and scholars who have not yet graduated will pick up their materials at that time.

3. **Additional Attachments**

Figure 84: Volunteers ready to distribute materials



Figure 85: Members collecting their certificates



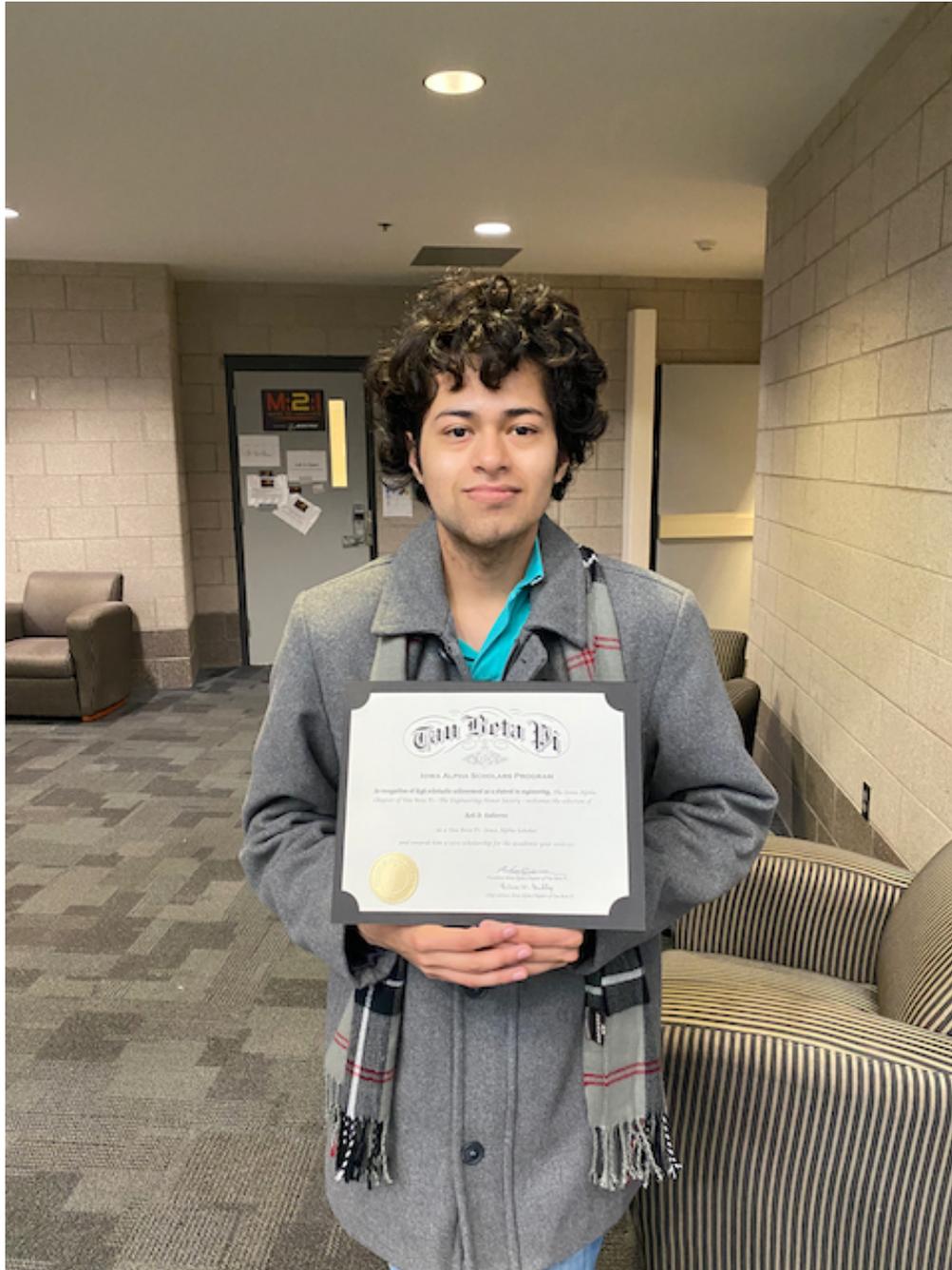
Figure 86: Members collecting their certificates



Figure 87: Scholar with award certificate



Figure 88: Scholar with award certificate



# 61 Bent Polishing Makeup

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/12/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Members	1
Electees	3

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

During the Bent Polishing activity, initiates receive a flat cast bronze bent to polish, which they are expected to wear during the initiation ceremony and banquet. The bent polishing makeup session was held Friday afternoon 12 November 2021. Attending were, 3 electees, 1 member and 1 advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Iowa Alpha has had a tradition of Tau Beta Pi initiates being given bents to polish and wear during the initiation ceremony.

#### iii. Organization and Administration

The Chapter has 4 belt and disk sanders, files, vices and other polishing equipment for initiates to use to polish their bents. Friday afternoon was selected for the bent polishing makeup session as it was a time all electees who had not completed their bent polishing initiation requirement could attend. Attendees are required to wear safety glasses and gloves when using the power equipment.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

The \$6.75 cost of each bent is included in the initiation fee. For the bent polishing makeup session the Chief Advisor set up the polishing equipment and supervised the attendees.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The bent polishing activity went smoothly. All 3 of the electees who needed to polish their bent did so, as well as 1 member who was previously unable to polish a bent when all initiation activities were virtual do to the Corona virus. In addition to polishing their bents, 1 electee paid his \$35.00 chapter membership fee.

3. **Additional Attachments**

Figure 89: Attendees wearing their bents



# 62 Food at First Service Project

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/14/21
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Iowa Alpha Scholars	1
Members	3
Electees	4

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Service Project was organized by the service project initiate small group as one of their service projects and involved assisting the Food at First location in Ames to serve meals to homeless individuals. The volunteers met at the the Food at First location in the Ames Christian Church and assist with food preparation, distribution and cleanup. Participating 3 members, 4 electees and 1 Tau Beta Pi - Iowa Alpha Scholar.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Food at First volunteer activity provided electees an opportunity to demonstrate their character and fulfill their requirement for two service project hours.

#### iii. Organization and Administration

The Food at First volunteer activity was organized by the service project initiate small group. The group was tasked with coming up with a service project event, setting up the meeting time and locations, informing the electees of the event, and providing information to those attending.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The volunteer activity was successful in serving the Ames community and demonstrating the character of the electees who participated in the project. The volunteers served in two shifts at the Food at First location. During the first shift from 3:00 to 5:00 pm 3 members, 3 electees and 1 scholar participated and during the second shift 1 member, 1 electee and 1 scholar participated. The Food at First staff were very appreciative of the assistance provided by the volunteers. The chapter hopes to provide similar assistance in the future.

# 63 General Meeting - Cabinet Elections

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/16/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Members	10
Electees	13

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the seventh General Meeting of the semester and was attended by 8 Cabinet officers, 2 members, 13 undergrad electees and 1 Advisor. The meeting was important as elections for the positions opening in Spring 2022 in the Iowa Alpha cabinet were conducted.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was successful. After general reminders and updates for the chapter, members and initiates voted on filling cabinet positions for the 2022 Spring semester. These positions were President, Treasurer, Campus Project Officer and Corporate Liaison. Following the election, the Chapter offered its congratulations to those elected: President - Zoe Follman, Treasurer - Michael Roling, Campus Project Officer - Hazel Ambort, and Corporate Liaison - Orion Roberts

3. **Additional Attachments**

Figure 90: Meeting attendees



# 64 General Meeting - Senior Sendoff

## Iowa Alpha

### 1. Project Information

- i. Date(s): 11/30/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	7
Iowa Alpha Scholars	2
Members	13
Electees	15

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the ninth General Meeting of the semester and was attended by 7 Cabinet officers, 13 members, 15 electees, 2 Iowa Alpha Scholars and 1 Advisor. At the meeting, graduating seniors were recognized and given time to talk about their time in Tau Beta Pi and plans after graduation. The trivia game Drawize was also played and Tau Beta Pi Stoles were distributed to graduating members who had requested them. The meeting was offered both in-person and virtually.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are usually held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha

eBent and Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$54.16

v. **Cost Breakdown**

Cost of decorated cake, cookies, drinks and other supplies for the event totaled \$54.16

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was successful. After general reminders and updates for the chapter, graduating seniors were called upon to talk about their experiences in school and Tau Beta Pi, and explain what they were planning to do after graduation. The trivia game Drawize which allowed both in-person and virtual attendees to participate was played. A decorated cake, cupcakes and cookies were served as refreshments for the in-person attendees. Tau Beta Pi Stoles were also available for pick up to the graduating seniors who had requested to purchase a stole or receive one free if they were distinguished members.

3. **Additional Attachments**

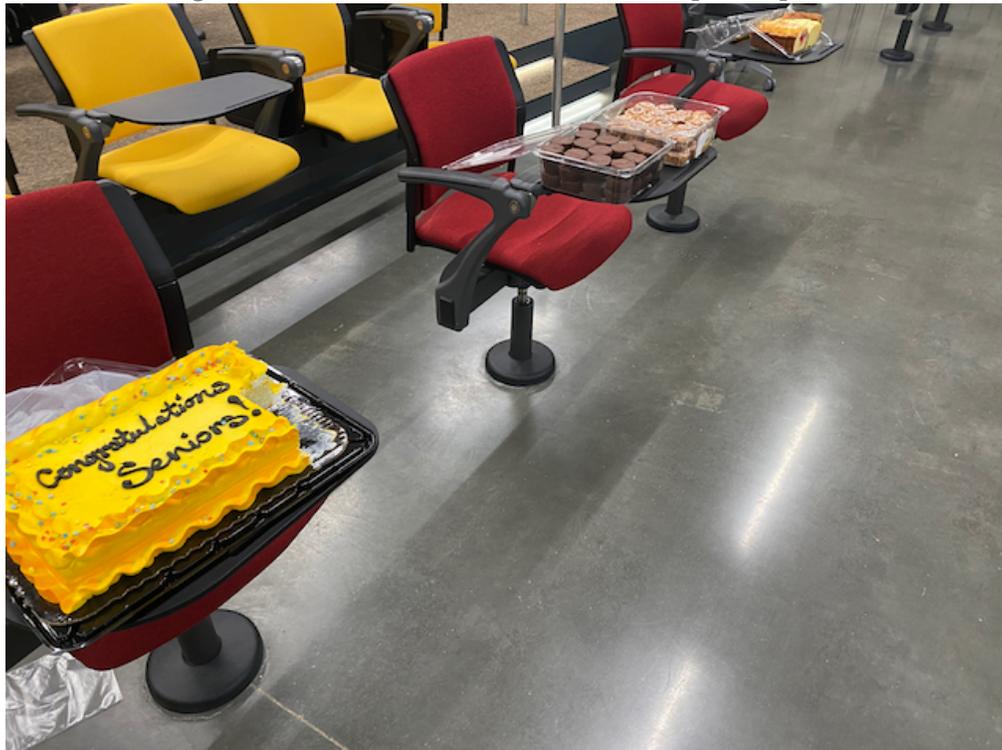
Figure 91: Attendees at the in-person meeting



Figure 92:



Figure 93: Cake and cookies served to participants



# 65 Initiation Ceremony and Banquet

## Iowa Alpha

### 1. Project Information

- i. Date(s): 12/05/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	3
Cabinet Officers	10
Electees	43

- v. Average number of hours per person spent:

Participating	Organizing
3.0	3.5

### 2. Project Evaluation

#### i. General Description

The initiation ceremony and banquet was held on Sunday, 5 December 2021 the day prior to the start of dead week. The 13 Tau Beta Pi members in attendance included: 10 Cabinet officer and 3 Advisors. The total number of new members initiated was 43 (41 undergraduates and 2 graduate students). One of the new members was initiated remotely. Three electees were unable to attend the initiation ceremony and it is planned to postpone their initiation to the 2022 Spring semester.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The initiation ceremony and banquet is the culmination of the initiation process. The initiation of new undergraduates, graduate students, Eminent Engineers and Alumnus members contributes to Tau Beta Pi's purpose "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character" and "their attainments as alumni in the field of engineering".

#### iii. Organization and Administration

Rooms for the initiation ceremony and banquet are reserved in advance to insure their availability. The keynote speaker is also identified several months in advance for them to confirm

availability. Four weeks before the banquet, new initiates are informed of their election. The menu for the banquet buffet dinner is also chosen. Three weeks before the banquet, members are recruited to help with the ceremony and chapter officers and active members are invited by the Chief Advisor to attend the banquet as his guest. A week before the banquet, the final tally of banquet attendees is made and given to the Caterer and the banquet programs and name tags are printed. Cabinet Officers and Advisors assisting with the initiation ceremony and banquet are requested to arrive about an hour and a half before the ceremony to set up the initiation room and prepare the atrium for the banquet. Electees are requested to arrive a half hour before the start of the ceremony.

iv. **Total Cost**

\$1269.0

v. **Cost Breakdown**

The cost of the initiation room, banquet area and food were paid by the Chapter. The cost for rental of banquet area in the Sukup Atrium was \$189.00, and food ordered from Hy-Vee Catering was \$1,080.00. A portion of the \$35.00 membership fee for new Iowa Alpha members was used to cover the \$23.00 cost for their attendance at the banquet. The cost attendance of the cabinet officers attending the banquet was paid by the Chief Advisor.

vi. **Special Problems Encountered**

For many years rooms for the initiation ceremony and banquet have been reserved in the Scheman Building of the Iowa State Center 1 to 2 years in advance to insure their availability. However, operation of the Scheman Building was recently turned over to the Athletic Department and costs became about 4 times more expensive requiring an alternative location to be found for the event.

vii. **Overall Evaluation**

The initiation ceremony and banquet all went smoothly. With the initiation of 43 new members (the total number of Iowa Alpha members reached 8,175. Initiates were requested to arrive 15 minutes before the start of the initiation ceremony at 5:15 pm and everyone was on time. The initiation ceremony began on time at 5:30 pm and was completed by 6:20 pm which allowed the banquet to start at 6:30 pm. Overall the banquet was very successful and participants enjoyed themselves.

### 3. Additional Attachments

Figure 94: New Members



Figure 95: Buffet Serving Line



Figure 96: Seating area



# 66 Commencement Ceremony Tau Beta Pi Graduation Stoles

## Iowa Alpha

### 1. Project Information

- i. Date(s): 12/18/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	2
Members	15
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

Since 2008 the Iowa Alpha Chapter has rewarded members who were active in the Chapter by providing them Tau Beta Pi stoles when they graduate. Other Tau Beta Pi members are eligible to wear the stoles, by purchasing a stole for \$20.00.

During the 2021 fall semester Iowa State University Commencement Ceremonies, 2 distinguished members and 15 other student members wore Tau Beta Pi stoles. The stoles are very distinctive on the black gowns worn during the graduation ceremony and make it possible to pick out the Tau Beta Pi members from among the more than 1,000 engineering graduates each semester. The principal Faculty Advisor, who was a member of the platform party also wore a stole.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The use of the Tau Beta Pi stole is mainly intended to reward active members for their contributions to the Chapter, but has had the added benefit of identifying Tau Beta Pi members among all graduates, thereby contributing to Tau Beta Pi's purpose - to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character.

iii. **Organization and Administration**

Information on the availability of stoles is sent to all members with a request that graduating students complete an on-line Doodle form indicating if they want to buy a stole or receive a free stole as a distinguished member. Stoles are ordered from Headquarters and available for pick-up from the Chief Advisor at a central location prior to graduation day.

iv. **Total Cost**

\$78.0

v. **Cost Breakdown**

The Chapter purchases stoles from Tau Beta Pi Headquarters at a price of \$22.00 each and sells them for \$20.00 each. Income from the sale of 15 stoles was \$300.00. The value of the 2 stoles given to distinguished members was \$44.00. Actual cost to the Chapter was \$78.00. This cost was covered by the chapter. Time spent by the Chief Advisor in delivering the stoles amounted to about 2 hours.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The use of the stoles is popular among both the active members and other Tau Beta Pi graduates. At Iowa State, all graduates are individually introduced and greeted by the University President or Provost during the graduation ceremony. Therefore, those wearing the Tau Beta Pi stoles were easily identifiable by parents and guests attending the ceremony. This semester the Principal Faculty Advisor was a member of the PlatformParty ad seated in the front row next to the University President.

3. **Additional Attachments**

Figure 97: Iowa Alpha Advisor



Figure 98: Tau Beta Pi Graduates



Figure 99: Tau Beta Pi Graduates



Figure 100: Graduate Receiving Diploma



Figure 101: Graduate Receiving Diploma



# 67 Advisory Board Meeting

## Iowa Alpha

### 1. Project Information

- i. Date(s): 01/16/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	2
Cabinet Officers	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

At the beginning of the Spring Semester the Advisory Board held a meeting to review the state of the chapter, discuss the time schedule of activities for the coming semester, and set goals for the Chapter. The meeting was attended by Zoe Follman, Chapter President; Joseph Schendel, Chapter Vice President; Michael Roling, Treasurer; and 2 Chapter Advisors: Amy Kaleita, and LeVern Faidley. The meeting was conducted virtually.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The meeting of the Advisory Board is intended to fulfill its responsibility as stated in the Tau Beta Pi Constitution: "The Advisory Board shall act as an advisory and judiciary committee to determine the advisability of any action taken or proposed by the Chapter."

#### iii. Organization and Administration

Members of the Advisory Board were contacted through E-mail to arrange a convenient time when as many of the board members as possible could attend. Because of the Coronavirus, the meeting was held virtually.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

As president, I think the meeting went well. I touched upon the topics I wanted, such as our chapter's major events: Roller Coaster Competition and Initiation Ceremony. As someone who was new to the role of president, I inquired about reserving rooms and other essential duties. In addition, we discussed with the advisors what worked from last semester that we would like to reimplement this semester. Lastly, this meeting allowed me (the president), the vice president, and our treasurer to all meet the advisors that we wouldn't see otherwise. However, in the future, a more informed agenda could be set, advisors could be contacted further in advance, and attendance confirmation could be required and checked upon more frequently.

3. **Additional Attachments**

Figure 102: Attendees excluding Joseph Schendel



# 68 Cabinet Meeting

## Iowa Alpha

### 1. Project Information

- i. Date(s): 01/18/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the first meeting of the semester and was exclusively for Cabinet officers and advisors. Attending the meeting were 13 cabinet officers and 1 advisor.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

Cabinet meetings are an important means by which the Chapter officers are informed of ongoing and planned activities and their roles within the effective operation of the Chapter are clarified.
- iii. **Organization and Administration**

A Cabinet meeting is held at the beginning of each semester. Announcement of the meeting and its agenda and location is communicated to officers through E-mail and the Iowa Alpha eBent. Similar to last semester, Microsoft Teams was used as a virtual way to meet and share information.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

There was no cost for the Cabinet meeting.
- vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

To effectively communicate expectations, changes, and news to the Cabinet, chapter President, Zoe Follman, facilitated a meeting with cabinet members. At this meeting, we discussed the PPT for our first general meeting that would occur the following week. For this PPT, cabinet would add a picture of themselves to the slide as well as introductory information and announcements. A major event for the chapter, a Roller Coaster Competition, was discussed. In addition, tasks delegated to various Cabinet member, such as small group leader recruitment, professional speaker recruitment, and creating a Google Calendar of activities. Overall, I think the meeting went well, as all Cabinet members were in attendance. However, more could be done to gather input as participants are shy to chime in via the virtual format. To correct this, calling on specific officers might be a good way to get input in future meetings.

# 69 General Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 01/25/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	10
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the first General Meeting of the semester. The meeting was mainly held both in-person and virtually. There were 13 attendees, including 10 Cabinet officers, 2 members and 1 Advisor.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.
- iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

At this meeting, we had issues connecting audio from the computer to the room audio, so virtual comments had to be repeated for in-person attendees. While we handled this issue by, again, repeating comments for all to hear, we hope to correct this issue for future meetings by doing additional audio checks prior to meeting.

vii. **Overall Evaluation**

For the first meeting of the year, I (as president) think it went well from a planning standpoint. The meeting introduced all our cabinet members and went over any important announcements (i.e. small group leader recruitment, semester schedule, etc.). In terms of attendance, the meeting was poor, as we mostly had officers attend. However, this could partially be attributed to weather (it was a very cold evening) or concerns regarding recent COVID-19 spikes. Alternatively, people may have had trouble navigating virtual attendance via Microsoft Teams, so future meetings will provide more explicit instructions on joining virtually.

3. **Additional Attachments**

Figure 103: Abigail Petheran



Figure 104: Nichole Martindale



Figure 105: Thomas Fitzgerald



Figure 106: Zoe Follman



# 70 Cabinet Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/01/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Cabinet Officers	11
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the second Cabinet meeting of the semester and was called to discuss next steps concerning the Engineering Gala planned for 12 February 2022. Attending the meeting were 11 cabinet officers.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

Cabinet meetings are an important means by which the Chapter officers are informed of ongoing and planned activities and their roles within the effective operation of the Chapter are clarified.
- iii. **Organization and Administration**

A Cabinet meeting is held at the beginning of each semester. Announcement of the meeting and its agenda and location is communicated to officers through E-mail and the Iowa Alpha eBent. Similar to last semester, Microsoft Teams was used as a virtual way to meet and share information.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

This meeting provided essential input regarding a planned event: Engineering Gala. Firstly, we decided to push the event back a month to allow more time for planning. Secondly, we discussed how to move forward with planning, such as if the event would be a full dinner or simply snacks. Also, we discussed if this event is something that people would be interested in and willing to advertise. Overall, this meeting allowed us to get Engineering Gala back on track via input from cabinet members, such as the Treasurer or Communications person.

# 71 Initiate Letter Stuffing Party

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/06/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	4
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

### 2. Project Evaluation

- i. **General Description**

A Letter Stuffing Party is held each semester as soon as the list of eligible students is available and the letters are printed. The letters from the Dean inviting the qualified undergraduate and graduate students to join Tau Beta Pi are placed in envelopes for mailing. Letters to the parents of undergraduate students with US addresses are also placed in envelopes. Spring semester we had 1 Cabinet officer, 4 members and 1 advisor participate in the Letter Stuffing Party.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The purpose is to inform students qualified for Tau Beta Pi membership of their eligibility and send them an invitation to join. Letters are also sent to the parents of the undergraduate students informing them of their son or daughter's eligibility.
- iii. **Organization and Administration**

The Iowa Alpha Faculty Advisor gets access to the "10 Day List" of Engineering students for the semester and prepares the list of eligible undergraduate and graduate students. Letters from the Dean are sent to the undergraduate students and their parents, and to eligible graduate students. The Chief Advisor prints the letters on stationary provided by the Dean's Office, and

the Dean's Office also provides the envelopes and does the mailing. Iowa Alpha officers and members fold the letters and insert them in the envelopes.

iv. **Total Cost**

\$6.24

v. **Cost Breakdown**

Cookies for volunteers were purchased at a cost of \$6.24

vi. **Special Problems Encountered**

Because of the Coronavirus no letter or information brochure from the Chapter was collated with the Deans letter. However, the Chapter letter and brochure were sent to eligible students as attachments to the Chapter's E-mail invitation to all eligible undergraduate and graduate students.

vii. **Overall Evaluation**

All letters were prepared for mailing to eligible students and their parents. With 6 people working in teams of three the letters were folded and placed in envelopes in about 1 hour. In total, 739 envelopes were stuffed, 379 parent letters, 263 undergraduate student letters (51 on-campus addresses and 212 off-campus addresses) and 97 graduate student letters. A total of 669 undergraduate students were eligible for Tau Beta Pi membership of which 267 were already members. Therefore, 452 undergraduate students were invited to join Iowa Alpha this semester. Similarly, 121 graduate students were eligible of which 18 were already Tau Beta Pi members. Therefore, 103 graduate students were invited to join Iowa Alpha this semester.

3. **Additional Attachments**

Figure 107: Volunteers stuffing envelopes



Figure 108: Volunteers stuffing envelopes



Figure 109: Volunteers with stuffing complete



# 72 General Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/08/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the second General Meeting of the semester. The meeting was mainly held in-person and had 12 attendees, including 9 Cabinet officers, 12 members and 1 Advisor.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

To begin, announcements were read. These announcement included filling out surveys regarding food and pricing ideas for the Engineering Gala. The meeting ended with attendees playing a game of Quiplash and Drawize, which was enjoyed by all participants. Ultimately, this meeting intended to facilitate interaction between members through a fun activity, such as games.

3. **Additional Attachments**

Figure 110: In-person meeting attendees



Figure 111: Meeting Announcements

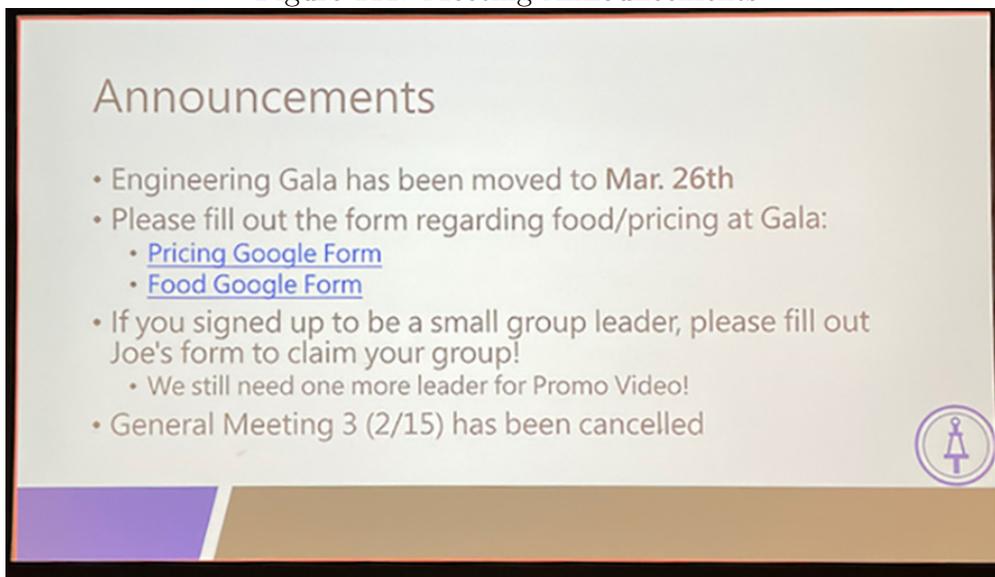


Figure 112: Game Participants



# 73 Initiate Information Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/16/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	47
Advisors	1
Cabinet Officers	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The information meeting was the first of two sessions held for the students invited to become Tau Beta Pi members, the second being held a day later. The Chapter President and Initiation Officer give a PowerPoint presentation describing Tau Beta Pi and the Iowa Alpha initiation process, and described the initiate small groups in which the initiates could participate. Attending the meeting, which was held both in-person and virtually, were 2 Cabinet Officers, 1 Advisor and 47 undergraduate invitees (6 of whom participated virtually).

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this event was to meet with potential new members to inform them about Tau Beta Pi and the Iowa Alpha initiation process. The information meeting was integral to the initiation process, which contributes to Tau Beta Pi's purpose "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character".

#### iii. Organization and Administration

The time and location of the meeting, as well as the virtual link, were included in the invitation

letter sent to all eligible students. Eligible students were also informed about the information session by E-mail. A PowerPoint presentation was prepared describing Tau Beta Pi, the Iowa Alpha Chapter and the initiation process and requirements for membership. The University's Canvas, software is used by the chapter for managing and monitoring the initiation process.

iv. **Total Cost**

\$167.1

v. **Cost Breakdown**

Drinks were purchased for the in-person participants at a cost of \$28.73, plates at a cost of \$6.49 and Pizza at a cost of \$131.88, for a total cost of \$167.10

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting and presentation went very well. The potential initiates who attended the Information Session had completed a Doodle poll indicating they were interested in joining Tau Beta Pi Spring semester. The 47 invitees who attended the first information meeting was lower than the number who had registered to attend, but much higher than Fall Semester 2021.

3. **Additional Attachments**

Figure 113: Chapter President & Initiation officer



Figure 114: Pizza and Drinks for the Participants



Figure 115: Participants at the meeting



Figure 116: Participants at the meeting



Figure 117: Participants at the meeting



# 74 Initiate Information Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/17/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	19
Advisors	1
Cabinet Officers	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The information meeting was the second of two sessions held for the students invited to become Tau Beta Pi members. The Chapter President and Initiation Officer give a PowerPoint presentation describing Tau Beta Pi and the Iowa Alpha initiation process, and described the initiate small groups in which the initiates could participate. Attending the second meeting, which was held both in-person and virtually, were 2 Cabinet Officers, 1 Advisor, 19 undergraduate invitees and 1 Graduate Student invitee. Six undergraduate invitees and the graduate student invitee participated virtually.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this event was to meet with potential new members to inform them about Tau Beta Pi and the Iowa Alpha initiation process. The information meeting was integral to the initiation process, which contributes to Tau Beta Pi's purpose "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character".

iii. **Organization and Administration**

The time and location of the meeting, as well as the virtual link, were included in the invitation letter sent to all eligible students. Eligible students were also informed about the information session by E-mail. A PowerPoint presentation was prepared describing Tau Beta Pi, the Iowa Alpha Chapter and the initiation process and requirements for membership. The University's Canvas, software is used by the chapter for managing and monitoring the initiation process.

iv. **Total Cost**

\$90.93

v. **Cost Breakdown**

Drinks and other supplies purchased for the first in-person information session were also used for the second session. Pizza was purchased at a cost of \$90.93.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting and presentation went very well. The potential initiates who attended the Information Session had completed a Doodle poll indicating they were interested in joining Tau Beta Pi Spring semester. The 20 invitees who attended the second information meeting was lower than the number who had registered to attend, but overall the 81 invitees expressing interest and beginning the initiation process was much larger than the Fall semester, but lower than Spring semester 2021.

3. **Additional Attachments**

Figure 118: Invitee arriving for the Information session



# 75 Initiate Small Group Leadership Meeting

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/19/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	6
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The meeting was called by Joseph Schendel, The Chapter Vice President, to discuss with the Spring semester Initiate Small Group Leaders the operation of their initiate small groups. Attending the meeting were the Vice President, Joseph Schendel, and 5 small group leaders: Carver Bartz, Hailey Lucas, Patrick Biedrzycki, Khanh Hoang and Amber Ogden.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Initiate Small groups are an important part of the process to evaluate the qualifications of individual candidates for membership, given the large number of students seeking membership.

#### iii. Organization and Administration

The meeting was called to inform initiate small group leaders of their responsibilities and inform them of the introduction video and other support materials available to assist them organizing the work of the small group.

#### iv. Total Cost

\$0.0

#### v. Cost Breakdown

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting went very well. Small Group Leaders were requested to schedule a meeting time and location for their three small group meetings and informed that a fourth meeting was optional if additional time was needed to complete the work of the small group or finalize the small group presentation to the General Meeting of the chapter.

Small Group leaders were also informed of the importance of recording attendance and preparing reports for each of their meetings using the Headquarter's Project reporting system.

# 76 General Meeting 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 02/22/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	11
Advisors	1
Cabinet Officers	5
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

- i. **General Description**

This was the third General Meeting of the semester. The meeting was held in-person and had 17 attendees, including 5 Cabinet officers, 11 initiates and 1 Advisor.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.
- iii. **Organization and Administration**

General meetings of the Chapter are held about every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.
- iv. **Total Cost**

\$38.0

v. **Cost Breakdown**

Snacks and water were provided at no cost as they had been previously purchased for the information meetings. Fabric to make Project Linus Blankets was purchased at a cost of \$38.00

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was mainly devoted to making tied blankets for the Linus Project. With 17 meeting attendees working in 4 groups the blankets were completed in about 45 minutes.

3. **Additional Attachments**

Figure 119: meeting attendees



Figure 120: Meeting attendees



Figure 121: Volunteers working on a blanket



Figure 122: Volunteers working on a blanket



Figure 123: Volunteers working on a blanket



# 77 Initiate Small Group - Pi Mile Run Planning 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/01/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Cabinet Officers	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. Each year Tau Beta Pi hosts the Pi Mile Run in association with Engineers' Week. This small group was given the task to help plan the event, create a T-shirt design for the participants and design a poster for the event. The small group met Tuesday afternoons from 3:10-4:00 pm. Amber Ogden, an Iowa Alpha cabinet member, provided leadership for the small group, which had 10 participants. All 10 initiates and the team leader attended the first meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester.

Initiates are entered as "students" in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Initiates collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

During the first small group meeting, everyone was given the opportunity to introduce themselves and share what their major and hometown are. After introductions, the group looked up the university calendar to determine any conflict dates for the Pi Mile Run. The group decided a tentative date of October 1st for the run. They also decided on a t-shirt design and color. During the second half of the meeting, initiates broke out into small groups to work on the various assigned tasks for the remainder of the time, including medal design, posters, and advertising plans.

# 78 Initiate Small Group - Service Project Meeting 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/01/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	4
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating two service projects for our chapter. The group meets on Tuesday at 4:10 - 5:00 PM in Howe 1226. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 5 initiates. 4 initiates and the small group leader attended the first meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In the first meeting, our group introduced ourselves and got to know each other. We also brainstormed a list of possible service projects and chose the best three options.

# 79 Initiate Small Group - TBP Accessories

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/02/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task to find accessories to sell to members and initiates with a Tau Beta Pi design on the accessories created by the group. The small group met Wednesday afternoons from 3:10-4:00 pm Marcus Klemme, an Iowa Alpha member, provided leadership for the small group, which had 12 participants. 9 initiates and the team leader attended the first meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester.

Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

This meeting we discussed the purpose and timeline of our small group as well as walked through some of the initiate requirements and how TBP operates. We began with introductions and moved onto brainstorming different designs and products that could be sold. Group members posted websites, designs, and accessories in the teams channel and created a poll to narrow down which accessories they would like to focus on for the next meeting. Some ideas that they came up with were buttons, pins, bottle openers, and more. To round off the meeting we discussed what we want to focus on at the next meeting and some potential project complications.

# 80 Initiate Small Group - Planning a Scholars Event

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/02/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group's focus was on planning an event where Tau Beta Pi Scholars would be invited and could participate within the Tau Beta Pi community. The small group met Wednesday afternoon from 3:10-4:00 pm. Hailey Lucas, an Iowa Alpha Cabinet Officer provided leadership for the small group, which had 2 participants. Attending the first meeting were both initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small groups is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as "students" in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Initiates brainstormed three ideas for a scholar's event, both indoor and outdoor. They then weighed the pros and cons of each option and picked one, which is outdoor lawn games. Initiates decided on a location, a date and time, food and drink, and where they need to get supplies from. They created a spreadsheet to track the cost of food and drink for this event, as well as listing games they wanted for the event. They separated what games they already had access to and what games needed to be rented.

# 81 Initiate Small Group - Networking Tips

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/02/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	4
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with finding creative ways to aid Tau Beta Pi members to develop their professional skills in respect to talking with recruiters. The small group met on March 92nd from 3:20 to 4:10 pm. Patrick Biedrzycki, an Iowa Alpha member, provided leadership for the small group, which had 6 participants. Attending the first meeting were 4 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly virtual meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Patrick began the meeting by holding introductions and giving a run-down of the Tau Beta Pi initiation process, including the purpose of initiate small groups. He then gave examples of what past groups have done for networking tips. The remainder of the meeting was spent as a brainstorming session to come up with creative ideas for networking tips. Ideas such as sharing advice through Iowa Alpha's TBP weekly newsletter, the E-Bent, which was unanimously chosen. The team decided that it wanted to create a small column in the E-Bent in a QnA or "Dear Sally" format where they would answer common questions about the recruiting process. The team decided the best way to gather frequently asked questions was to create a poll on the TBP general channel asking members about their experiences and biggest concerns.

# 82 Initiate Small Group – Planning a Social Event

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/03/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task of planning and executing a social event for the members, initiates and Iowa Alpha scholars of the chapter during the semester. The small group met on Thursday evening from 7:00-8:00 pm. An Iowa Alpha member, Emma Onstad, provided leadership for the small group, which had 10 participants. Attending the first meeting were 9 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as a “student” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting started with greetings, announcements, and reminders. Then, we moved into a discussion on ideas for a social event. We considered a board game night, a movie night, a CAD-modeling competition, ice skating, Perfect Games (mini-golf, bowling, laser tag), and more! We considered making an interest form to determine what event people are interested in and what times and dates they are available to maximize attendance. Toward the end of the meeting, we decided to focus on either bowling or board games.

# 83 Initiate Small Group Meeting Drawingboard (Video Brainstorming)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/04/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	3
Cabinet Officers	1
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with making videos to describe different parts of the college of engineering. The small group met on Friday, 3 March, 2022 from 2:15-3:15. Kaleb Dunsbergen, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the first meeting were all 3 initiates, 1 cabinet office, 1 member and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting began with introductions and a description of the intended work of the small group. Discussions were then held on planning for preparation of a presentation to be later recorded as a part of the drawing board team.

# 84 Initiate Small Group - K-12 Outreach

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/04/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	8
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a presentation/demonstration for a group K-12 students in order to promote diversity within STEM. The small group met on March 4th from 5:10 pm to 6:00 pm. Carver Bartz, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the first meeting were all 8 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and

formulate the project proposal and prepare for the in-person General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

We discussed what we could do to promote STEM to students and also tried to plan an activity with a school.

# 85 Free Coffee Friday 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/04/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Advisors	1
Cabinet Officers	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Free Coffee Friday service project provides free coffee, tea and hot chocolate to engineering students, faculty and others between classes on three Friday mornings during March and April. The first Free Coffee Friday event of the semester was held on Friday morning 4 March from 8:30 am to 11:15 am in the atrium of the Student Innovation Center, an area with normally a high volume of students and faculty going to and from class. Setup began at 7:45 am and cleanup was completed by 11:15 am. Assisting in holding the first event were 2 Cabinet officer, 5 initiates and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the Free Coffee Friday events is make Tau Beta Pi and the Iowa Alpha Chapter better known among Iowa State University students and faculty.

#### iii. Organization and Administration

Authorization was requested and received for Iowa Alpha to hold the Free Coffee Friday three times during the semester. Volunteers who assist are required to take the online Food Certification Course. The atrium of the Student Innovation Center is a relatively high traffic area



Figure 125: Visitors getting their drinks



# 86 Bent Polishing 1

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/06/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Members	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
4.0	1.0

### 2. Project Evaluation

#### i. General Description

During the Bent Polishing activity, initiates receive a flat cast bronze bent to polish, which they are expected to wear during the initiation ceremony and banquet. The first bent polishing party was held Sunday afternoon 6 March 2022 . Attending were, 26 initiates, 3 cabinet officers and 1 advisor. The chapter membership fee of \$35.00 was paid by 21 of the initiates who polished their bent.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Iowa Alpha has had a tradition of Tau Beta Pi initiates being given bents to polish and wear during the initiation ceremony.

#### iii. Organization and Administration

The Chapter has 4 belt and disk sanders, files, vices and other polishing equipment for initiates to use to polish their bents. Sunday afternoon from 1:00 – 5:00 p.m. was selected for the bent polishing activity. Initiation Officers and members supervise use of the equipment and initiates are required to wear safety glasses and gloves when using the power equipment. Initiates are sent an E-mail invitation to attend, and are requested to pay their \$35.00 chapter membership fee at the event, if they have not already done so. To facilitate effective use of the power equipment, initiates are requested to sign up for 1 hour time slots using a Doodle Poll.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The \$6.75 cost of each bent is included in the initiation fees. Four to five officers/members are needed to set up the polishing equipment and supervise the initiates.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The bent polishing activities went smoothly. The Chapter was able to use the Student Innovation Laboratory in Sukup Hall for bent polishing, which worked quite well. The Initiate attendance at the event was quite good with 26 initiates polishing their bents. This was about half of the 53 initiates who need to polish their bents. About the same number of initiates are expected to attend the second bent polishing party on Sunday, 27 March. The power equipment was in high demand by initiates during the first 2 hours with fewer initiates the rest of the afternoon. In addition to polishing their bents 21 initiates who attended bent polishing paid their \$35.00 chapter membership fees.

3. **Additional Attachments**

Figure 126: Initiates doing hand work on bents



Figure 127: Initiates polishing their bents



Figure 128: Initiates polishing their bents



Figure 129: Initiate wearing his bent



# 87 General Meeting 4

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/08/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	18
Advisors	1
Cabinet Officers	4
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the fourth General Meeting of the semester. The meeting was mainly held in-person and had 26 attendees, including 5 Cabinet officers, 2 members, 18 initiates and 1 Advisor. Following announcements of up-coming events teams were formed to play a game of Jeopardy based upon facts and information about Tau Beta Pi and the Iowa Alpha chapter.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$20.0

v. **Cost Breakdown**

Insomnia Cookies were purchased as prizes for the game at a cost of \$20.00.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was successful. A game of Tau Beta Pi Jeopardy was played with questions about the history of Tau Beta Pi and the Iowa Alpha Chapter. Many of the questions were facts that were included in the quiz new initiates would take as part of their initiation requirements.

3. **Additional Attachments**

Figure 130: Meeting attendees



Figure 131: Meeting attendees



Figure 132: Game winners with their cookies



# 88 Initiate Small Group - Pi Mile Run Planning 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/08/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. Each year Tau Beta Pi hosts the Pi Mile Run in association with Engineers' Week. This small group was given the task to help plan the event, create a T-shirt design for the participants and design a poster for the event. The small group met Tuesday afternoons from 3:10-4:00 pm. Amber Ogden, an Iowa Alpha cabinet member, provided leadership for the small group, which had 10 participants. All 10 initiates and the team leader attended the second meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester.

Initiates are entered as "students" in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

During the second small group meeting, initiates broke into small groups to work on their designated tasks to plan for the Pi Mile Run. Some group members went to various engineering buildings on campus to post signs advertising the Pi Day event on March 11. Members also created posters by hand to advertise Free Coffee Friday and the Pi Day event. Other subgroups worked on Pi Mile poster designs and medal designs. Small groups will have their assignments done by next meeting to go over as a large group and finalize.

# 89 Initiate Small Group - Service Project Meeting 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/08/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	4
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating two service projects for our chapter. The group meets on Tuesday at 4:10 - 5:00 PM in Howe 1226. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 5 initiates. 4 initiates and the small group leader attended the second meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In this meeting, our group figured out the logistics of the two service projects. We plan to have a food drive in front of two HyVees and a Earth day clean up. We figured the locations, the dates and time, and what supplies we need.

# 90 Initiate Small Group - TBP Accessories 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/09/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task to find accessories to sell to members and initiates with a Tau Beta Pi design on the accessories created by the group. The small group met Wednesday afternoons from 3:10-4:00 pm Marcus Klemme, an Iowa Alpha member, provided leadership for the small group, which had 12 participants. 9 initiates and the team leader attended the second meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester.

Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

This meeting we narrowed down some of the accessories and designs the group wanted to focus on and go forward with. Following the narrowing down, the group made both a spreadsheet featuring a picture of the items, the name, and the price. Additionally, a google form was created that will be distributed out during the presentation and after in order to see which items gain the most interest, or for people to purchase. We capped off the meeting by talking about the presentation next week and the design finalization.

# 91 Initiate Small Group - Networking Tips (Meeting 2)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/09/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with finding creative ways to aid Tau Beta Pi members to develop their professional skills in respect to talking with recruiters. The small group met on March 9 from 3:20 to 4:10 pm. Patrick Biedrzycki, an Iowa Alpha member, provided leadership for the small group, which had 6 participants. Attending the second meeting were 5 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly virtual meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The meeting began by reviewing the poll that the team created to send out to the general TBP channel. From there, we got to work on creating QnA's for each remaining week of the semester for the E-Bent, labeling each with a certain theme for that week. Once we created content for the first three weeks, we began working on the presentation for the small group general meeting that will be held on Tuesday, April 5th.

# 92 Initiate Small Group - Planning a Scholars Event

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/09/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group's focus was on planning an event where Tau Beta Pi Scholars would be invited and could participate within the Tau Beta Pi community. The small group met Wednesday afternoon from 3:10-4:00 pm. Hailey Lucas, an Iowa Alpha Cabinet Officer provided leadership for the small group, which had 2 participants. Attending the second meeting were both initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small groups is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as "students" in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Initiates discussed finalization of the event. They updated their list of games to rent after hearing what supplies we already have. Initiates created an RSVP form and emailed scholars. They are going to email our treasurer about purchases for food/drink/rental games, start the final PowerPoint over break, and make a game plan for acquisition of supplies.

# 93 Initiate Small Group – Planning a Social Event 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/10/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	7
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task of planning and executing a social event for the members, initiates and Iowa Alpha scholars of the chapter during the semester. The small group met on Thursday evening from 7:00-8:00 pm. An Iowa Alpha member, Emma Onstad, provided leadership for the small group, which had 10 participants. Attending the second meeting were 7 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as a “student” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In the second small group meeting for the TBP Social Event group we discussed the potential dates and budgets for bowling at CyBowl & Billiards or for board games at the Memorial Union. We decided that we would ask about open times for the bowling alley during March 28th through April 1st. Any available times that the bowling alley had during these days were put into a poll for TBP members to vote on. If bowling received more votes than board games, the date that received the most votes in the poll would be the time reserved at the bowling alley. If board games received more votes, a reservation would be made at the MU during the most voted on day. We also worked out what types of snacks and drinks to provide at the event. Keeping budget in mind, different snacks would be available for either bowling or board games. Pop, chips, and pizza were decided on as the snacks to include at the events depending on the approved budget and expected attendance.

# 94 Initiate Small Group Meeting Drawingboard (Video Brainstorming) 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/11/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with making videos to describe different parts of the college of engineering. The small group met on Friday, 11 March, 2022 from 2:15-3:15. Kaleb Dunsbergen, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the second meeting were 2 initiates and the small group leaders..

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The results of this meeting were the continued planning and project work on a presentation to be later recorded as a part of the drawing board team. Initiates created the presentation and planned out how they wanted to record the presentation. The presentation will later be shared as a part of a general meeting for initiates to display their small group work. This video will be on YouTube as a resource for freshmen in undecided engineering to decide which degree program they would like to enter after taking their first engineering class. The video will lay out the options for engineers to choose based on which subjects they liked in their introductory class.

A large portion of this meeting was devoted to brainstorming the different ideas of which classes are pivotal in the decision-making for undecided engineers. Also, which projects or topics in their undecided engineering class that may help them determine a major.

# 95 Initiate Small Group - K-12 Outreach (Meeting 2)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/11/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a presentation/demonstration for a group K-12 students in order to promote diversity within STEM. The small group met on March 11th from 5:10 pm to 6:00 pm. Carver Bartz, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the second meeting were all 9 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the in-person General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

At the second meeting the group tried to plan on a time and date that we can do our presentation. Also worked on transportation details.

# 96 Pi Day Celebration

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/11/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Advisors	1
Cabinet Officers	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	2.0

### 2. Project Evaluation

#### i. General Description

The purpose of the event was to distribute pieces of pie to engineering faculty and students in recognition of Pi Day. The event was scheduled to be held on Friday, 11 March, since 14 March was during Spring break when few student were on campus. Distribution of the pie was carried out in the University's Student Innovation Center since it has a large open area and many engineering students and faculty pass through the center during the day. Two Cabinet Officers, 1 Member 5 initiates and 1 Advisor assisted in setting up, serving the pie and cleanup following the event.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

To promote Tau Beta Pi and increase awareness of the Iowa Alpha Chapter among engineering students and faculty members at Iowa State University.

#### iii. Organization and Administration

A submission was made to the Iowa State University Events Authorization Committee for approval to distribute the pie. Their approval was made on the understanding that all of the

volunteers serving the pie would complete the on-line course to become Food Certified. The local Fareway Store was contacted concerning purchase of 40 pies to provide 320 pie pieces (100 Pi pieces of pie plus a few extra).

iv. **Total Cost**

\$519.6

v. **Cost Breakdown**

A total of 40 pies (14 of Apple, 6 of Peach, 10 of Cherry and 10 of Strawberry-Rhubarb) were ordered from the Ames North Fareway store at a cost of \$519.60. Individual pie containers and forks were taken from a previously purchased stock for the Pie Mile Run.

vi. **Special Problems Encountered**

With many students having already left for Spring Break those receiving free pieces for pie was somewhat less than the 320 pieces of pie available for distribution.

vii. **Overall Evaluation**

Overall the Iowa Alpha Pie Day celebration was very successful. The event took place in the new Student Innovation Center, centrally located near the main engineering buildings on campus. Forty pies (Apple, Cherry, Peach and Strawberry-Rhubarb) were purchased and the 320 pieces of pie placed in individual pie containers. A fork was attached to each pie container to allow recipients to easily take the pie. Pie was mainly handed out to students. However, several faculty members stopped by as well as groups of campus visitors (potential future students and their parents). About 50 pieces of pie were left at the end of the event. This pie was taken to Food at First a local charity that provides meals to the homeless who were very appreciative of the donation.

3. **Additional Attachments**

Figure 133: Pie being cut and placed in containers



Figure 134: Pi Day Volunteers



Figure 135: Table ready for distributing pie



Figure 136: The first recipient



Figure 137: Our busiest time



# 97 Initiate Small Group - Service Project Meeting 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/22/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	4
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating two service projects for our chapter. The group meets on Tuesday at 4:10 - 5:00 PM in Howe 1226. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 5 initiates. 4 initiates and the small group leader attended the third meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In this meeting, our group called the two HyVee's in order to ask for permission to do the food drive. We also talked about how to promote the projects and started designing a flyer for the food drive. Finally, we began working on the small group presentation.

# 98 Initiate Small Group - Pi Mile Run Planning 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/22/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group's focus was on planning the Pi Mile Run that takes place every fall. The small group met Tuesday afternoon from 3:10-4:00 pm. Amber Ogden, an Iowa Alpha Cabinet Officer provided leadership for the small group, which had 10 participants. Attending the third meeting were all initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small groups is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as "students" in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

March 22nd: The group members shared the results of their work with the group, having completed all designs for metals and posters. Then, the group worked together on the powerpoint for the presentation on April 5th and completed it. Before the presentation, the group will review the slides to have everything ready for presenting in the general meeting.

# 99 General Meeting 5 - Guest Speaker

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/22/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	29
Advisors	1
Cabinet Officers	6
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the fifth General Meeting of the semester. The meeting was held in-person and had 38 attendees, including 6 Cabinet officers, 2 members, 29 initiates and 1 Advisor. Following brief announcements by the Chapter President the rest of the meeting involved a presentation by a guest speaker, Tomas L. Gonzalez-Torres, Aerospace Engineering Associate Teaching Professor and former Flight Director for the National Aeronautics and Space Administration (NASA). He earned a Bachelor of Science degree in aerospace engineering from Iowa State University in 1998 and was named the 82nd Mission Control Flight Director at NASA in 2011. He was elected to Tau Beta Pi membership by Iowa Alpha as an Eminent Engineer in 2017, as member of the class of 1998.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

iii. **Organization and Administration**

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and new this semester on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was very successful. Mr. Gonzalez-Torres talked about having been born in Rio Piedras, Puerto Rico and growing up in Knoxville, Iowa. He noted that as a student at Iowa State he had several internships with NASA and encouraged student to undertake internships to find out if they want to work for that employer. He joined NASA in 1994 and worked as a spacewalk task and systems instructor. He noted that he was a Veteran spacewalk flight controller before being selected as a Flight Director and had to apply for these positions multiple times before being selected. He encouraged students to not give up if they did not initially get the position that wanted. He also talked about being the group lead manager for the Extravehicular Activities (EVA) Systems Group from 2008-2011, as well as acting chief of the EVA Operations Branch. He noted that he became an EVA officer in 2005, working 17 shuttle flights including lead for the Space station assembly mission and development of techniques of shuttle heat shield inspection and repair techniques after the Columbia accident. He also worked multiple Hubble Space Telescope servicing missions including serving as the lead spacewalk officer for the final Hubble Space Telescope servicing mission. He also responded to a number of questions from students at the conclusion of his presentation.

3. **Additional Attachments**

Figure 138: Guest speaker



Figure 139: Picture of NASA Zero-G training Tank



Figure 140: Meeting Attendees



Figure 141: Meeting Attendees



Figure 142: Meeting Attendees



# 100 Initiate Small Group - Networking Tips (Meeting 3)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/23/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with finding creative ways to aid Tau Beta Pi members to develop their professional skills in respect to talking with recruiters. The small group met on March 23 from 3:20 to 4:10 pm. Patrick Biedrzycki, an Iowa Alpha member, provided leadership for the small group, which had 6 participants. Attending the third meeting were 5 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly virtual meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The third meeting involved finishing up the Networking Tips for the remaining weeks of the semester as well as working on the presentation for the small group presentations on April 5th. The group decided it would be best to have a short fourth meeting the following week to practice the presentation prior to the meeting.

# 101 Initiate Small Group - Planning a Scholars Event 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/23/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group's focus was on planning an event where Tau Beta Pi Scholars would be invited and could participate within the Tau Beta Pi community. The small group met Wednesday afternoon from 3:10-4:00 pm. Hailey Lucas, an Iowa Alpha Cabinet Officer provided leadership for the small group, which had 2 participants. Attending the third meeting were both initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small groups is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as "students" in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Scholars reviewed their plans for the scholar's event to be held on Monday afternoon, 28 March. They sent an email to scholars and general members about the details of the social and emailed LeVern about bringing the bean bag toss set, ladder toss, and table to the event. Finally, scholars finished up their final small group presentation. They will be meeting up with our Treasurer, Michael Roling, about getting food and drinks this weekend.

# 102 Initiate Small Group - TBP Accessories 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/23/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	11
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	11.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task to find accessories to sell to members and initiates with a Tau Beta Pi design on the accessories created by the group. The small group met Wednesday afternoons from 3:10-4:00 pm Marcus Klemme, an Iowa Alpha member, provided leadership for the small group, which had 13 participants. 11 initiates and the team leader attended the third meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester.

Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate. Each member was also responsible for recording notes for each meeting to be included in this project report.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations. Initiate collaborated with each other under the direction of the small group leader to accomplish meeting goals and the overall project scope.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

This meeting initiates worked on the presentation and the finalized decisions. Each member was responsible for a slide and the information on it. We discussed how the design will be implemented on to the product and the specific products that will be on the order form. The group finished the presentation and distributed out slides to talk over when presenting.

# 103 Initiate Small Group – Planning a Social Event 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/24/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	9
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task of planning and executing a social event for the members, initiates and Iowa Alpha scholars of the chapter during the semester. The small group met on Thursday evening from 7:00-8:00 pm. An Iowa Alpha member, Emma Onstad, provided leadership for the small group, which had 10 participants. Attending the third meeting were 9 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as a “student” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In the third small group meeting for the TBP Social Event group we discussed what we should do moving forward. We are waiting until after the Engineering Gala that TBP is hosting this Saturday (3/26) to get a more definitive budget. The group looked at the responses to the poll sent out to the chapter at the last meeting and sent an email to the bowling alley in the MU to check availability of the preferred dates. The majority of the meeting was spent preparing the small group's presentation. The group decided that they would like to meet next week during the optional fourth week to finalize plans.

# 104 Initiate Small Group - K-12 Outreach (Meeting 3)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/25/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	7
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a presentation/demonstration for a group K-12 students in order to promote diversity within STEM. The small group met on March 25th from 5:10 pm to 6:00 pm. Carver Bartz, an Iowa Alpha member, provided leadership for the small group, which had 8 participants. Attending the third meeting were 7 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the in-person General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

At the third meeting we finalized our plans with Central Academy and discussed transportation, meeting time, as well as our activity we plan on doing with the Central Academy students.

# 105 Initiate Small Group Meeting Drawingboard (Video Brainstorming) 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/25/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with making videos to describe different parts of the college of engineering. The small group met on Friday, 25 March, 2022 from 2:15-3:15. Kaleb Dunsbergen, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the third meeting were 2 initiates and the small group leaders.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The results of this meeting were the continued planning and project work on a presentation to be later recorded as a part of the drawing board team. Initiates created the presentation and planned out how they wanted to record the presentation. The presentation will later be shared as a part of a general meeting for initiates to display their small group work. This video will be on YouTube as a resource for freshmen in undecided engineering to decide which degree program they would like to enter after taking their first engineering class. The video will layout the options for engineers to choose based on which subjects they liked in their introductory class.

# 106 Free Coffee Friday 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/25/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	4
Advisors	1
Cabinet Officers	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Free Coffee Friday service project provides free coffee, tea and hot chocolate to engineering students, faculty and others between classes on three Friday mornings during March and April. The second Free Coffee Friday event of the semester was held on Friday morning 25 March from 8:30 am to 11:15 am in the atrium of the Student Innovation Center, an area with normally a high volume of students and faculty going to and from class. Setup began at 7:30 am and cleanup was completed by 11:15 am. Assisting in holding the second event were 1 Cabinet officer, 1 member, 4 initiates and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the Free Coffee Friday events is make Tau Beta Pi and the Iowa Alpha Chapter better known among Iowa State University engineering students and faculty.

#### iii. Organization and Administration

Authorization was requested and received for Iowa Alpha to hold the Free Coffee Friday two times each month. Volunteers who assist are required to take the online Food Certification

Course. The atrium of Hoover Hall is a relatively high traffic area for students going to and from class, so is a good location for the event. An Advisor stores the coffee makers, coffee, tea, hot chocolate, cups, spoons napkins, condiments, tablecloths, signs advertising the event and information material about the Chapter and brings them to the event. An on-line Microsoft Teams spreadsheet is used by the members and initiates to indicate they will volunteer to assist with serving the coffee at each event.

iv. **Total Cost**

\$32.06

v. **Cost Breakdown**

Personnel requirements for each event is about 3-6 people each working for 1-2 hours. Supplies purchased for the event totaled \$32.06 including \$8.49 for coffee, \$2.88 for packets of tea, \$5.99 for a container of milk chocolate mix, \$5.97 for 3 boxes of spoons, \$5.97 for 3 packages of insulated cups, and 2.76 for a box of 100 sugar packets.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Drinks were given away to students, faculty, and staff. Forty-five drinks were given away during the second event. The low turnout for the event was at least partially due to the small number of students and others visiting the building. Given the large number of attendees (over 150) at the first event earlier in the semester, this turn out was disappointing and resulted in a large amount of coffee being thrown away. However, the Chapter plans to continue holding the event again in April.

3. **Additional Attachments**

Figure 143: Volunteers ready for severing drinks



Figure 144: Two of the visitors getting their drinks



# 107 Engineering Gala

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/26/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Advisors	1
Cabinet Officers	8
Members	14
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	4.0

### 2. Project Evaluation

#### i. General Description

Iowa Alpha hosted an Engineering Gala at the Iowa State University Alumni Center from 7:00 to 11:00 PM. This was an opportunity to dance and hang out with other engineers and their guests. Snacks and refreshments were provided. This was also an opportunity to dress-up for a formal event (akin to homecoming). It served as the perfect event for those students who missed out on on oral social events due to COVID. Attending the Gala were 14 members, 8 cabinet officers, 2 Initiates and 1 Advisor as well as 60 other engineering students and their guests.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Engineering Gala provided an opportunity for both Tau Beta Pi members and ISU engineering students to develop relationships and collaborate outside of classes.

#### iii. Organization and Administration

The Engineering Gala was an event that was developed by an initiate small group during the Spring 2021 semester. General attendance was \$15 or Tau Beta Pi members could RSVP prior to the event for free attendance.

iv. **In Conjunction With**

Other Engineering Organizations on campus

v. **Total Cost**

\$2703.16

vi. **Cost Breakdown**

Food and drinks were provided by ISU Food Service at cost of \$1,372.16. A DJ was hired to provide music during the event at a cost of \$750.00. The ISU Alumni Center Ballroom was selected as the venue of the event with round tables and a small dance floor at a cost of 581.00. Cost of the event totaled \$2,703.16.

vii. **Special Problems Encountered**

None

viii. **Overall Evaluation**

The Engineering Gala was a great success with 85 total participants. Everyone seemed to enjoy food and beverages provided for the event. Attendees enjoyed visiting with each other and many took advantage of the DJ and dance floor in the later part of the evening.

Sale of tickets for the event included \$213.75 on pre-event on-line sales and \$565.00 at the door sales for total income of \$778.75. Participation of Tau Beta Pi members was paid by the Iowa Alpha Chapter and totaled \$593.41. The Gala also received support for Iowa State University Engineering Student Council totaling \$1,372.16.

The chapter plans to make holding an Engineering Gala an annual event through continued sponsorship by Engineering Student Council and Iowa Alpha.

3. **Additional Attachments**

Figure 145: Officers and guests



Figure 146: Attendees



Figure 147: Attendees



Figure 148: Food and refreshments



Figure 149: Dance Floor



# 108 Bent Polishing 2

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/27/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM

- iv. Number of persons who participated:

Category	Count
Initiates	24
Advisors	1
Cabinet Officers	3
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
4.0	1.0

### 2. Project Evaluation

#### i. General Description

During the Bent Polishing activity, initiates receive a flat cast bronze bent to polish, which they are expected to wear during the initiation ceremony and banquet. The second bent polishing party was held Sunday afternoon 27 March 2022 . Attending were, 24 initiates, 3 cabinet officers and 1 advisor. The chapter membership fee of \$35.00 was paid by 21 of the initiates who polished their bent.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Iowa Alpha has had a tradition of Tau Beta Pi initiates being given bents to polish and wear during the initiation ceremony.

#### iii. Organization and Administration

The Chapter has 4 belt and disk sanders, files, vices and other polishing equipment for initiates to use to polish their bents. Sunday afternoon from 1:00 – 5:00 p.m. was selected for the bent polishing activity. Initiation Officers and members supervise use of the equipment and initiates are required to wear safety glasses and gloves when using the power equipment. Initiates are sent an E-mail invitation to attend, and are requested to pay their \$35.00 chapter membership fee at the event, if they have not already done so. To facilitate effective use of the power equipment, initiates are requested to sign up for 1 hour time slots using a Doodle Poll.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The \$6.75 cost of each bent is included in the initiation fees. Four to five officers/members/advisor are needed to set up the polishing equipment and supervise the initiates.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The bent polishing activities went smoothly. The Chapter was able to use the Student Innovation Laboratory in Sukup Hall for bent polishing, which worked quite well. The Initiate attendance at the event was quite good with 24 initiates polishing their bents. The power equipment was in high demand by initiates during the first 1 hour with fewer initiates the rest of the afternoon. In addition to polishing their bents 19 initiates who attended bent polishing paid their \$35.00 chapter membership fees. Special arrangements will be made for the initiates who are elected to membership on 5 April who have not polished their bents.

3. **Additional Attachments**

Figure 150: Bent Polishing equipment being used



Figure 151: Initiate wearing his bent



# 109 Tau Beta Pi Scholars Event

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/28/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Advisors	1
Cabinet Officers	3
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Tau Beta Pi Scholars Event was organized and planned by the Tau Beta Pi Scholars Initiate Small Group to provide a opportunity for the 2021-22 Tau Beta Pi - Iowa Alpha Scholars to interact socially with current members and initiates. The event was held on Monday afternoon from 4:30 to 6:00 pm on the Iowa State University central campus near the main administration building. Attending the event were 3 Cabinet Officers, 3 members, 2 initiate small group members ,and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the event was to provide an opportunity for Iowa Alpha Scholars, members and initiates to socialize together and better get to know each other.

#### iii. Organization and Administration

The Initiate Small Group members sent E-mails to the scholars, members and cabinet Officer providing details about the event and inviting everyone to attend. They also contacted the Chief

Advisor to request that he bringing the Chapter's bean bag toss set, ladder toss, and table which he stores to the event. They also contacted the Treasurer, Michael Roling, about getting food and drinks for the event. The small group leader as also requested to get an additional bean bag toss set and Frisbees from the University Recreation Center.

iv. **Total Cost**

\$64.2

v. **Cost Breakdown**

Snacks and drinks for the event were purchased at a cost of \$54.20 and a bean bag toss set and Frisbees were rented from the University Recreation Center at a cost of \$10.00.

vi. **Special Problems Encountered**

The main problem was the weather which was about 45 degrees with a cold wind.

vii. **Overall Evaluation**

Those who attended the evert enjoyed playing the games and the snacks and drinks that were provided. It was a disappointment that no the current scholars attended and that the participation of officer and members was less than hoped. In the future such events may be planned for later in the semester when the temperature is higher.

3. **Additional Attachments**

Figure 152: Scholar Event attendees



Figure 153: Scholar Event attendees



Figure 154: Scholar Event attendees



# 110 Initiate Small Group - Service Project Meeting 4

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/29/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This is a small group of initiates for the Iowa Alpha initiation process that will focus on creating two service projects for our chapter. The group meets on Tuesday at 4:10 - 5:00 PM in Howe 1226. The group is led by an Iowa Alpha member, Khanh Hoang, and consists of 5 initiates. Two initiates and the small group leader attended the fourth meeting.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this small group is to allow them an opportunity to demonstrate their character and commitment to service in a small-scale setting by organizing a chapter service project. This group will also help initiates familiarize themselves with Tau Beta Pi.

#### iii. Organization and Administration

One-hour weekly meetings are held for a minimum of three weeks to establish a service project and create a presentation for a General Meeting consisting of all small groups in the Iowa Alpha chapter.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

There was no cost for this initiate small group.

vi. **Special Problems Encountered**

None.

vii. **Overall Evaluation**

In this meeting, the two initiates that had been unable to attend an earlier meeting attended. The small group presentation was completed. We also finished the flyers and poster for the food drive.

# 111 Initiate Small Group - Networking Tips (Meeting 4)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/30/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	5
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with finding creative ways to aid Tau Beta Pi members to develop their professional skills in respect to talking with recruiters. The small group met on March 30 from 3:20 to 4:10 pm. Patrick Biedrzycki, an Iowa Alpha member, provided leadership for the small group, which had 6 participants. Attending the fourth meeting were 5 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly virtual meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the virtual General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The fourth meeting is an optional one that the team decided to use as a time to practice the small group presentation prior to the general meeting. After some practice, the group felt prepared to present their work to the Iowa Alpha members.

# 112 Event Authorization Committee Meeting

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/31/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

### 2. Project Evaluation

#### i. General Description

The meeting was called following submission of the Iowa Alpha request to hold the annual in-person Tau Beta Pi Roller Coaster Competition, which had not taken place since 2018 due to the pandemic. The meeting with the ISU Events Authorization Committee was attended by Zoe Follman, Iowa Alpha President and LeVern Faidley, Chief Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Roller Coaster Competition is an annual event that allows Iowa Alpha to get involved with middle and high school students and provides initiates with a service project in which to participate. It is one of the main K-12 outreach activities undertaken by the Chapter. The 2022 Tau Beta Pi Roller Coaster Competition is the first year Iowa Alpha has held the in-person event since 2018.

#### iii. Organization and Administration

Meeting with the ISU Event Authorization Committee is an important way to make sure the Chapter is in compliance with the University's regulations for outreach activities. Upon submitting event details online, a day and time was set for the Chapter to meet with the Committee. At least one Cabinet and/or Project officer and one advisor need to attend the meeting.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The Iowa Alpha President briefly described the Roller Coaster Competition and the planning that had already taken place concerning the event. The Event Authorization Committee noted that the Youth Program Registration Form submitted by the College of Engineering had been approved by the Office of Risk Management. The Committee was informed that names of volunteers would be submitted to Risk Management for background checks. The Committee was also informed that off-campus parking for the event had been arranged with the Collegiate Methodist Church. No further clarifications of the event were requested by the Committee.

# 113 Initiate Small Group – Planning a Social Event 4

## Iowa Alpha

### 1. Project Information

- i. Date(s): 03/31/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	10
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was given the task of planning and executing a social event for the members, initiates and Iowa Alpha scholars of the chapter during the semester. The small group met on Thursday evening from 7:00-8:00 pm. An Iowa Alpha member, Emma Onstad, provided leadership for the small group, which had 10 participants. Attending the fourth meeting were all 10 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha often has each semester. Initiates are entered as a “student” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

In the fourth small group meeting for the TBP Social Event group we finalized the small group's presentation and assigned speaking parts for each part of the presentation.

# 114 Initiate Small Group - K-12 Outreach (Meeting 4)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/01/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	8
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a presentation/demonstration for a group K-12 students in order to promote diversity within STEM. The small group met on April 1st from 5:10 pm to 6:00 pm. Carver Bartz, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the fourth meeting were all 8 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the in-person General meeting at which all Small Groups make their presentations

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Plans were finalized to visit Central Academy in Des Moines to give high school students a presentation about engineering at Iowa State and hopefully get them interested in pursuing a career in engineering. The presentation would discuss each of the majors at Iowa State and then gave the students an opportunity to ask questions.

# 115 Initiate Small Group Meeting Drawingboard (Video Brainstorming) 4

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/01/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	2
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with making videos to describe different parts of the college of engineering. The small group met on Friday, 1 April, 2022 from 2:15-3:15. Kaleb Dunsbergen, an Iowa Alpha member, provided leadership for the small group, which had 3 participants. Attending the fourth meeting were 2 initiates and the small group leaders.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The results of this meeting were the continued planning and project work on a presentation to be later recorded as a part of the drawing board team. Initiates created the presentation and planned out how they wanted to record the presentation. The presentation will later be shared as a part of a general meeting for initiates to display their small group work. This video will be on YouTube as a resource for freshmen in undecided engineering to decide which degree program they would like to enter after taking their first engineering class. The video will layout the options for engineers to choose based on which subjects they liked in their introductory class.

For this specific meeting, we were able to record the final presentation. After deciding who would cover which information for the video, the initiates collaborated to record the video in the time remaining. This video will be shown at the Initiate General Meeting next week.

# 116 Initiate Small Group - K-12 Outreach (Central Academy)

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/04/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	7
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

As part of the Iowa Alpha initiation process initiate small groups are formed. This small group was tasked with creating a presentation/demonstration for a group K-12 students in order to promote diversity within STEM. The small group met on April 4th for two informative sessions with 15-25 students at Central Academy in Des Moines to inform students about engineering at ISU and Tau Beta Pi. Students were actively engaged in a Q&A with questions about engineering and college in general. Carver Bartz, an Iowa Alpha member, provided leadership for the small group, which had 9 participants. Attending the outreach event were 7 initiates and the small group leader.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the initiate small group is to help initiates become acquainted with Tau Beta Pi while also carrying out an activity of value to the Chapter. It also serves as a means of evaluating the character of the initiates in a small group setting, which is otherwise not possible given the large number of initiates Iowa Alpha has each semester. Initiates are entered as “students” in Canvas, the University system for class registration and grading, which also provides support for student groups. Once they are entered, initiates can select the initiate small group in which they want to participate.

iii. **Organization and Administration**

One-hour weekly in-person meetings are held for a minimum of three weeks to identify and formulate the project proposal and prepare for the in-person General meeting at which all Small Groups make their presentations.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

We attended Central Academy and gave two groups of students a presentation about engineering at Iowa State, to hopefully get them interested in continuing to pursue a career in engineering. We gave a run down of each of the majors at Iowa State and then gave an opportunity for them to ask questions.

3. **Additional Attachments**

Figure 155: Presentation at Central Academy



# 117 New Member Election

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/05/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	10
Members	5
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The meeting to elect new members was held immediately following the sixth General Meeting of the semester at which the initiate small group members presented a report of the work of their small group. Attended the election meeting were 11 Cabinet officers, 5 members, and 1 Advisor. Attendees include all of the small group leaders who provided insights about their small group members prior to the election of the new members.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The election of new members is the principal responsibility of Tau Beta Pi Chapters to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as students in engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in engineering colleges.

#### iii. Organization and Administration

It is an Iowa Alpha tradition to hold the election of new members following the general meeting at which the initiate small groups make a presentation of the results of their group. While all members are invited to participate in the election, cabinet officers and small group leaders

who have the most knowledge of the qualifications of the the initiates in their small group are requested to attend or submit information on participation of the initiates in their small group.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was very efficient. After deactivating members who were not present, all initiates who were seen to embody the principles of Tau Beta Pi and had completed or were on track to complete their requirements for initiation were elected to membership. In total, 58 new members were elected including 28 juniors and 30 seniors. Included in the seniors were three students who were elected to membership fall semester 2021, but were unable to attend the initiation ceremony in December 2021 and, with the agreement of the Iowa Alpha Advisor Board, had their initiation postponed to spring semester.

# 118 General Meeting 6 - Small Group Presentations

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/05/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Initiates	49
Advisors	1
Members	5
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.5

### 2. Project Evaluation

#### i. General Description

This was the sixth General Meeting of the semester and was attended by 11 Cabinet officers, 5 members, 49 initiates and 1 Advisor. This meeting was used for initiates to present what they had worked on in their initiate small groups.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting went very well. Small group presentations are always something members look forward to. This semester, the small groups consisted of Drawingboard, Mindset K-12 Outreach, Networking Tips, Pi Mile Run Planning, Scholar Event, Service Project Social Event and Tau Beta Pi Accessories. All projects had a satisfactory conclusion and the chapter was happy with the work the initiates put into their projects. The Networking Small Group had two members who participated in the small group virtually and to accommodate these small group members the presentation was made virtually.

3. **Additional Attachments**

Figure 156: Small Group Presenters



Figure 157: Small Group Presenters



Figure 158: Small Group Presenters



Figure 159: Small Group Presenters

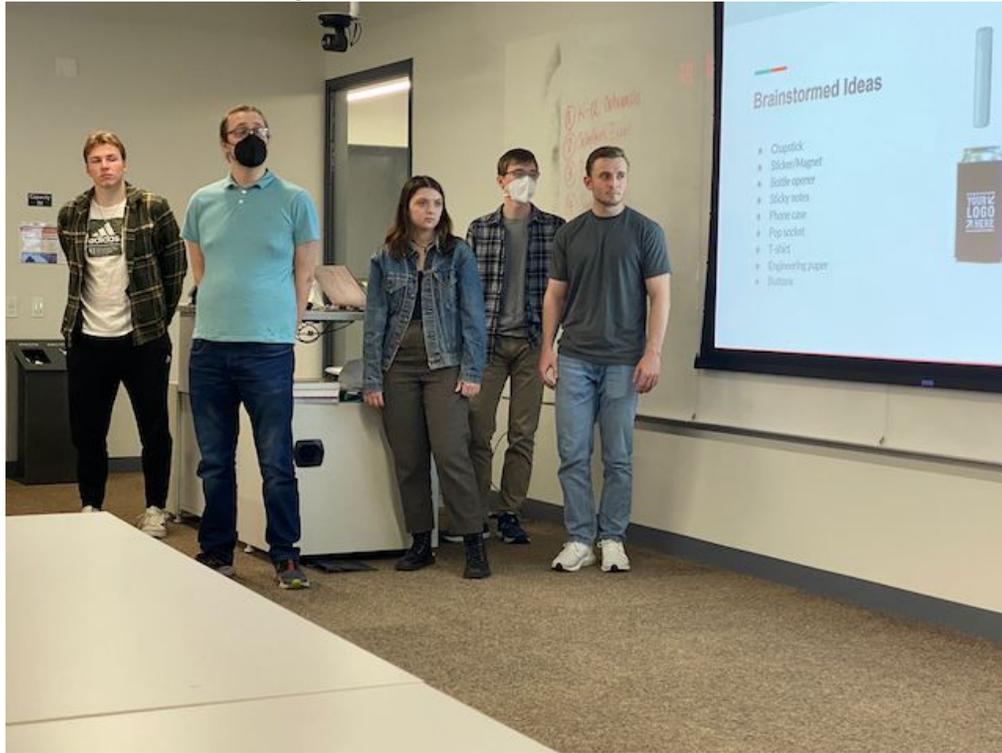


Figure 160: Small Group Presenters



# 119 Free Coffee Friday 3

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/08/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	1
Electees	3

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Free Coffee Friday service project provides free coffee, tea and hot chocolate to engineering students, faculty and others between classes on three Friday mornings during March and April. The third Free Coffee Friday event of the semester was held on Friday morning 8 April from 8:00 am to 10:15 am in the atrium of the Student Innovation Center, an area with normally a high volume of students going to and from class. Setup began at 7:45 am and cleanup was completed by 10:15 am. Assisting in holding the third event were 3 electees, 1 cabinet officer and 1 Advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the Free Coffee Friday events is make Tau Beta Pi and the Iowa Alpha Chapter better known among Iowa State University engineering students and faculty.

#### iii. Organization and Administration

Authorization was requested and received for Iowa Alpha to hold the Free Coffee Friday 3 times at two week intervals during the semester. Volunteers who assist are required to take the online Food Certification Course. The atrium of the Student Innovation Center is a relatively high traffic area for students going to and from class, so is a good location for the event. An

Advisor stores the coffee makers, coffee, tea, hot chocolate, cups, spoons napkins, condiments, tablecloths, signs advertising the event and information material about the Chapter and brings them to the event. An on-line Microsoft Teams spreadsheet is used by the members and electees to indicate they will volunteer to assist with serving the coffee at the event.

iv. **Total Cost**

\$32.06

v. **Cost Breakdown**

Personnel requirements for each event is about 3-6 people each working for 1-2 hours. Supplies from the last Free Coffee Friday were purchased at a cost of 32.06 from Fareway and paid for by the Chief Advisor so there was no cost to the Chapter for the event. Total supplies purchased for Free coffee Friday spring semester amounted to \$47.67.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

Drinks were given away to students, faculty, and staff. Forty-six drinks were given away during the third event. The low turnout for the third event was at least partially due to the event being shorten due to the Student Innovation Center Atrium being reserved for another activity at 11:00 am that morning. The Chapter plans to continue holding this event in the future. The Student Innovation Cente will continue to be used as on most occasions a fairly large number of people stop for coffee and hot chocolate. The total number of drinks served during the semester was 249, an average of 83 drinks per event.

3. **Additional Attachments**

Figure 161: Volunteers ready for severing drinks



Figure 162: Visitors getting their drinks



Figure 163: Visitors getting their drinks



# 120 District 11 Spring Conference

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/09/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	2
Electees	1

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

The District 11 Spring Conference was hosted by Minnesota Alpha at the University of Minnesota. The annual meeting was useful for sharing accomplishments and problems faced by the chapters in District 11 during 2021-22, and to assist in the officer transition process, particularly for incoming and outgoing officers. The meeting was run by District 11 Directors, Dr. James Hill, and Margaret Goshert. Attending as a representative of the Tau Beta Pi was Edward J. D'Avignon, Director of Rituals. Attending from Iowa Alpha were Dr. LeVern Faidley, Iowa Alpha Chief Advisor and electee John Titus Barnett.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The main purpose of the annual District 11 Conference is to provide incoming and outgoing presidents and other chapter officers the opportunity to get to know each other and share ideas and concerns. The ability to meet Tau Beta Pi members from chapters in Iowa, Michigan, Minnesota, South Dakota, and North Dakota to discuss and exchange experiences is valuable in helping formulate goals and activities to improve performance of the chapters.

#### iii. Organization and Administration

Minnesota Alpha organized and hosted the Annual District Conference. Each Chapter was responsible for selecting delegates to attend, generally the incoming and outgoing President and

other members/officers who were available. A block of rooms was reserved at the Graduate Hotel University of Minnesota Campus for delegates the meetings were held in Bruininks Hall on the University of Minnesota Campus.

iv. **In Conjunction With**  
Other District 11 Chapters

v. **Total Cost**  
\$0.0

vi. **Cost Breakdown**

There was no cost to Iowa Alpha for participation in the conference. The Advisor paid his own travel cost and the Iowa Alpha delegate traveled with him. The cost of the hotel rooms were covered by the Tau Beta Pi Association.

vii. **Special Problems Encountered**  
None

viii. **Overall Evaluation**

The meeting was successful. There were many substantive discussions and a very valuable exchange of ideas and perspectives from various chapter leaders. Zoe Follman, Iowa Alpha President, presented a pre-recorded video of Iowa Alpha accomplishments and awards in 2021-22 and highlighted some of the activities undertaken during the year. Edward J. D'Avignon provided information about the state of the Association. Dinner was held in a restaurant close to the University. The Conference was an excellent opportunity to inspire the new officers, to share ideas for chapter operations. Unfortunately, only one representative from Iowa Alpha was able to attend.

### 3. **Additional Attachments**

Figure 164: Conference attendees



Figure 165: Conference room picture



Figure 166: Group Photo



# 121 Food Drive

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/09/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Cabinet Officers	1
Members	1
Electees	2

- v. Average number of hours per person spent:

Participating	Organizing
2.0	2.0

### 2. Project Evaluation

#### i. General Description

The Food Drive was organized by the Initiate Small Group - Service Project, which had been tasked with developing possible service projects to be carried out by the chapter during the semester. Participating in the Food Drive were the Initiate Small Group leader, a cabinet member and two electees.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Involving Iowa Alpha members and initiates in community service activities is a major focus of Iowa Alpha and intended to further the Tau Beta Pi objective to foster a spirit of liberal culture.

#### iii. Organization and Administration

The Food Drive was organized by the Service project Initiate Small Group. The Small Group contact the two HyVee stores in Ames to get their agreement to collect for the Chapter to collect donations from shoppers as they left the store. The small group advertised the event through the weekly eBent sent to members and initiates. Food at First was also consulted about the food drive and specific donations they would be most interested in receiving.

iv. **Total Cost**

\$15.41

v. **Cost Breakdown**

To advertise the Food Drive poster paper was purchased by the chapter at a cost of \$15.41.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The Food Drive went very well. Two car loads of food and other items were collect from the two HyVee locations in Ames during the four hours of the event. Food at First, the local Food Bank which provides free meals, grocery, and other items to those in need was very appreciative of the donations collected.

# 122 Adopt A Highway Cleanup

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/10/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Electees	23

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Adopt-A-Highway project involves collecting trash into trash bags on both sides of a two mile stretch of Lincoln Highway on the west side of Ames. Iowa Alpha initiates and members form four groups with each group cleaning one side of the highway for 1 mile. The groups start at both ends of the 2 mile stretch of highway and meet in the middle where the bags are piled so the Iowa Department of Transportation (DOT) can pick them up. The DOT supplies bags and reflective vests for the volunteers. For the Spring semester, 23 undergraduate electees and 1 advisor participated in the cleanup.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Adopt-A-Highway cleanup provides an opportunity for initiates/electees to demonstrate their character and fulfill their service project initiation requirement by providing service to the Ames community.

#### iii. Organization and Administration

A date towards the end of the semester is chosen (generally a Sunday afternoon) in anticipation the weather will be relatively mild. Information is sent to initiates through Canvas and members are informed through E-mail. An Iowa Alpha Advisor goes to the Department of Transportation and picks up the garbage bags before the event. Because of Covid, Adopt Highway activities

were suspended by the Iowa Department of Transport for 12 months from March 2020 to March 2021. In addition, safety vests and unused garbage bags no longer needed to be returned after the Adopt a Highway cleanup, as the chapter was requested by the Department of Transport to keep them for future events. The filled trash bags are stacked beside the road and picked up by the DOT.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

The Chapter incurs no cost for the project – bags and vests are provided by the DOT, with transportation and disposable polyethylene/vinyl gloves supplied by the chapter. One or two Chapter Officers and/or an advisor are generally needed to supervise the event.

vi. **Special Problems Encountered**

The weather on 3 April was rainy and temp. of 40 degrees requiring postponement of the event to 10 April.

vii. **Overall Evaluation**

The interest in and attendance of electees at the event was very good. With 5-6 volunteers in each of 4 separate groups picking up trash on one side of the highway for 1 mile the cleanup was completed in less than 2 hours. The Chief Advisor used his van to collect and transport the filled garbage bags to the collection site. Fortunately, there was good weather for the event. Iowa Alpha has carried out the Adopt-A-Highway cleanup on the same stretch of highway for 32 years and plans to continue to undertake the cleanup each fall and spring semester in the future.

### 3. Additional Attachments

Figure 167: Volunteers collecting trash



Figure 168: Volunteers for the event



# 123 Board Game Night

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/11/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Cabinet Officers	3
Members	1
Electees	10

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Tau Beta Pi Board Game Night was organized by the Social Event Initiate Small Group. In the organization of the event the small group was tasked to plan a social event for the members to participate in to facilitate comradery among members and initiates. Attending the Board Game Night were 3 cabinet officers, 1 member and 10 electees

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The event was organized to help build relationships between cabinet officers, members and electees.

#### iii. Organization and Administration

The Board Game Night was organized by the Initiate Small Group tasked with development of a social event for the Chapter. After identifying several possible events the small group sent out poll to see what members and initiates had interest in and their availability. Options of activities included in the poll were Bowling, Board Game Night, Video Game Night and Laser Tag. Based upon the poll and budget allowance, the poll the small group decided on a game night and the date of 11 April. Game Night was advertised though the Iowa Alpha E-bent.

iv. **Total Cost**

\$42.44

v. **Cost Breakdown**

Three Little Caesar's Pizza and soft drinks were purchase for the event at a cost of \$42.44.

vi. **Special Problems Encountered**

The group did not get approval to eat food inside the Memorial Union building. Instead, since the weather was nice, we ate outside the building and conversed. After eating, we cleaned up and transitioned to inside as originally planned to play the games themselves.

vii. **Overall Evaluation**

The event was held on 11 April from 7:00 PM to 9:00 PM in the Oak Room in the Memorial Union. Those attending played a variety of board and card games, most notably Apples to Apples and Beforehand. The group enjoyed pizza and soft drinks, which helped as an incentive to increase attendance at the event.

# 124 General Meeting 7 - Cabinet Elections

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/12/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	11
Members	1
Electees	15

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

This was the seventh General Meeting of the semester and was attended by 11 Cabinet officers, 1 member, 15 undergrad electees and 1 Advisor. The meeting was important as elections for the positions opening in Fall 2022 in the Iowa Alpha cabinet were conducted.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and on Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

#### iv. Total Cost

\$0.0

v. **Cost Breakdown**

None

vi. **Special Problems Encountered**

The chapter was unable to fill all the positions, but the positions of utmost importance were filled. This may be due, in part, to the meeting being switched to an online format that evening because of stormy weather. Hopefully, future elections can be held in-person with an online option.

vii. **Overall Evaluation**

The meeting was successful. After general reminders and updates for the chapter, members and initiates voted on filling cabinet positions for the 2022 Fall semester. These positions were President, Vice President, Treasurer, Corresponding Secretary, Graduate Initiation Officer, STEM Project Officer, Marketing Officer, Chapter Surveyor/Membership Officer, Corporate Liaison, Initiation Officer, Scholar's Officer, Drawing Board Officer, Campus Project Officer (2), and Communication Director. Following the election, the Chapter offered its congratulations to those elected: President - Joe Schendel, Vice President - Cassandra Volpe, Treasurer - Michael Roling, Corresponding Secretary - Erik Dralle, Graduate Initiation Officer - Nicole Martindale, STEM Project Officer - John Titus Barnett, Marketing Officer - Mason Ekblad, Chapter Surveyor/Membership Officer - Samuel Gillepsie, and Corporate Liaison - Hailey Negley, Initiation Officer - Mackenzie Donald. Positions that remain unfilled are: Scholar's Officer, Drawing Board Officer, Campus Project Officer (2) and Communication Director.

# 125 General Meeting 8 - Senior Sendoff

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/19/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Cabinet Officers	11
Members	5
Electees	10

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

This was the eighth General Meeting of the semester and was attended by 11 Cabinet officers, 5 members, 10 electees, and 1 Advisor. At the meeting, graduating seniors were recognized and given time to talk about their time in Tau Beta Pi and plans after graduation. An online word game was also played and Tau Beta Pi Stoles were distributed to graduating members who had requested them. The meeting was offered both in-person and virtually.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

General Meetings are an important means by which the Chapter officers and members keep informed of ongoing and planned activities.

#### iii. Organization and Administration

General meetings of the Chapter are usually held every other week during the semester. Times and locations are set at the beginning of the semester and announcement of the meeting and its agenda is communicated to members, initiates, and scholars through the weekly Iowa Alpha eBent and Microsoft Teams. To increase attendance, an attempt is made to supplement the business meeting with additional activities during or after the meeting.

iv. **Total Cost**

\$54.16

v. **Cost Breakdown**

Cost of Jimmy John sandwiches (\$40), cookies, drinks and other supplies (\$14.16) for the event totaled \$54.16.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The meeting was successful. After general reminders and updates for the chapter, graduating seniors were called upon to talk about their experiences in school and Tau Beta Pi, and explain what they were planning to do after graduation. An online word games was played which allowed both in-person and virtual attendees to participate. Jimmy John sandwiches, chips, drinks, and cookies were served as refreshments for the in-person attendees. Tau Beta Pi Stoles were also available for pick up to the graduating seniors who had requested to purchase a stole or receive one free if they were distinguished members.

3. **Additional Attachments**

Figure 169: Meeting Attendees



Figure 170: Meeting Attendees



Figure 171: Meeting Attendees



Figure 172: Meeting Attendees



# 126 Roller Coaster Competition

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/20/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	2
Cabinet Officers	3
Members	8
Electees	9

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The Roller Coaster Competition was organized and planned by the Campus Project Officers, Amber Ogden and Hazel Ambort, to provide a opportunity for Tau Beta Pi interact and encourage youth to become interested in engineering. The competition hosted middle and high school students from around Iowa to compete in a Rube Goldberg competition. This was the first year since pre-COVID that we have been able to host this event in-person. The event was held on Wednesday from 7:30 am to 1 pm at Iowa State University in the Howe Hall Atrium. Attending the event to volunteer were 3 Cabinet Officers, 8 members, 9 electees, and 2 Advisors.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the event was to provide a opportunity for Tau Beta Pi to interact with and encourage youth to become interested in engineering.

#### iii. Organization and Administration

The event was organized by the President, Campus Project Officers, Chief Advisor, and Faculty Advisor. The aforementioned individuals were also present the day-of, joined by member and

electee volunteers. We successfully obtained Event Authorization through the university. However, we struggled with obtaining sufficient volunteers and a number of groups joining close to the event date. To correct this, we closed our registration poll and offered free stoles to senior members who volunteered for the event (i.e. incentivized volunteering). As a result, we were able to adequately prepare prior to the event and host the event itself.

iv. **Total Cost**

\$412.67

v. **Cost Breakdown**

Free lunch was provided to the roller coaster participants and volunteers at a cost of \$263.00 for 25 pizzas and \$58.62 for drinks. Trophies for the winning teams were purchased at a cost of \$90.75.

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The Roller Coaster Competition was organized and planned by the Campus Project Officers, Amber Ogden and Hazel Ambort. This was the first year since 2018 that we have been able to host this event in-person. The competition hosted a total of 98 middle and high school students from 2 middle schools and 1 high school. The Rube Goldberg challenge for the competition was to "Roll a Dice". We had a total of 7 middle school teams and 12 high school teams participate. The students participating in the competition were very enthusiastic many dressed in costumes related to the theme of their roller coaster.

For future competitions, more advance preparation would be helpful, such as solidifying the date of the competition at the beginning of the spring semester and identifying volunteers well before the event since they have to complete background checks through the Office of Risk Management in order to be cleared to interact with the youth attending the competition.

### 3. Additional Attachments

Figure 173: Student Participants



Figure 174: Student Participants



Figure 175: Student Participants



Figure 176: Student Participants



Figure 177: Student Participants



# 127 Bent Polishing Makeup

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/21/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM

- iv. Number of persons who participated:

Category	Count
Advisors	1
Electees	3

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

During the Bent Polishing activity, initiates receive a flat cast bronze bent to polish, which they are expected to wear during the initiation ceremony and banquet. The bent polishing makeup session was held Thursday afternoon 21 April 2022. Attending were, 3 electees and 1 advisor.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

Iowa Alpha has had a tradition of Tau Beta Pi initiates being given bents to polish and wear during the initiation ceremony.

#### iii. Organization and Administration

The Chapter has 4 belt and disk sanders, files, vices and other polishing equipment for initiates to use to polish their bents. Thursday afternoon was selected for the bent polishing makeup session as it was a time all electees who had not completed their bent polishing initiation requirement could attend. Attendees are required to wear safety glasses and gloves when using the power equipment.

#### iv. Total Cost

\$0.0

#### v. Cost Breakdown

The \$6.75 cost of each bent is included in the initiation fee. For the bent polishing makeup session the Chief Advisor set up the polishing equipment and supervised the attendees.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The bent polishing activity went smoothly. All 3 of the electees who needed to polish their bent did so.

3. **Additional Attachments**

Figure 178: Electees using Bent Polishing Equipment



Figure 179: Electee with Bent he polished



Figure 180: Electee with Bent he polished



Figure 181: Electee with Bent he polished



# 128 Campus Clean Up

## Iowa Alpha

### 1. Project Information

- i. Date(s): 04/22/22
- ii. New/Recurring Project: New
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	3
Electees	4

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

### 2. Project Evaluation

#### i. General Description

The campus clean up event was organized by one of the service project initiate small groups and involved picking up trash on and around campus. The volunteers met at the Howe Hall entrance and picked up trash around the Engineering Building on campus for two hours until disposing of the trash in campus dumpsters. Attending the event were 3 members and 4 electees.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The campus clean up event provided initiates an opportunity to demonstrate their character and fulfill their requirement for two service project hours by improving campus quality.

#### iii. Organization and Administration

The campus clean up event was organized by one of the service project initiate small groups. The group was tasked with coming up with a service project event, setting up the meeting time and location, contacting ISU for materials, and providing information to those attending.

#### iv. Total Cost

\$0.0

#### v. Cost Breakdown

The participants were provided latex gloves and trash bags from the stock used in the Adopt-a-Highway cleanup at no cost.

vi. **Special Problems Encountered**

None

vii. **Overall Evaluation**

The areas cleaned up on campus became noticeably cleaner and all bags were disposed of in campus dumpsters. Overall the project was successful in serving the campus community and demonstrating the character of the electees who participated in the project. The attendance at the event was good, with both members of the initiate service project and Tau Beta Pi members participating in the project.

3. **Additional Attachments**

Figure 182: Campus Cleanup Participants



# 129 Initiation Ceremony and Banquet

## Iowa Alpha

### 1. Project Information

- i. Date(s): 05/01/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Initiation Activities
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	3
Cabinet Officers	6
Members	2
Electees	56

- v. Average number of hours per person spent:

Participating	Organizing
2.0	3.5

### 2. Project Evaluation

#### i. General Description

The initiation ceremony and banquet was held on Sunday, 1 May 2022 the day prior to the start of dead week. In attendance were 56 electees, 6 Cabinet officers, 2 Tau Beta Pi members and 3 Advisors. All 56 of new members initiated were undergraduates. Two of the new members were initiated remotely.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The initiation ceremony and banquet is the culmination of the initiation process. The initiation of new undergraduates, graduate students, Eminent Engineers and Alumnus members contributes to Tau Beta Pi's purpose "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character" and "their attainments as alumni in the field of engineering".

#### iii. Organization and Administration

Rooms for the initiation ceremony and banquet are reserved in advance to insure their availability. The keynote speaker is also identified several months in advance for them to confirm

availability. Four weeks before the banquet, new initiates are informed of their election. The menu for the banquet buffet dinner is also chosen. Three weeks before the banquet, members are recruited to help with the ceremony and chapter officers and active members are invited by the Chief Advisor to attend the banquet as his guest. A week before the banquet, the final tally of banquet attendees is made and given to the Caterer and the banquet programs and name tags are printed. Cabinet Officers and Advisors assisting with the initiation ceremony and banquet are requested to arrive about an hour and a half before the ceremony to set up the initiation room and prepare the atrium for the banquet. Electees are requested to arrive a half hour before the start of the ceremony.

iv. **Total Cost**

\$1392.5

v. **Cost Breakdown**

The cost of the initiation room, banquet area and food were paid by the Chapter. The cost for rental of the banquet area in the Sukup Atrium was \$230.00 and food ordered from Hy-Vee Catering was \$1,162.50. To cover the cost of \$21.00 per person this amount was taken from the dues of each initiate and the cost of attendance of the cabinet officers and advisors attending was paid by the Chief Advisor.

vi. **Special Problems Encountered**

For many years rooms for the initiation ceremony and banquet have been reserved in the Scheman Building of the Iowa State Center 1 to 2 years in advance to insure their availability. However, operation of the Scheman Building was recently turned over to the Athletic Department and costs became about 4 times more expensive requiring an alternative location to be found for the event.

vii. **Overall Evaluation**

The initiation ceremony and banquet all went smoothly. With the initiation of 56 new members (the total number of Iowa Alpha members reached was 8,545. Initiates were requested to arrive 15 minutes before the start of the initiation ceremony at 5:15 pm and everyone initiated was on time. The initiation ceremony began on time at 5:30 pm and was completed by 6:20 pm which allowed the banquet to start at 6:30 pm. Overall the banquet was very successful and participants enjoyed themselves.

### 3. Additional Attachments

Figure 183: New Members Spring 2022



Figure 184: Banquet Attendees



Figure 185: Banquet Attendees



# 130 Commencement Ceremony Tau Beta Pi Graduation Stoles

## Iowa Alpha

### 1. Project Information

- i. Date(s): 05/14/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Custom
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Cabinet Officers	8
Members	45
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	3.0

### 2. Project Evaluation

#### i. General Description

Since 2008 the Iowa Alpha Chapter has rewarded members who were active in the Chapter by providing them Tau Beta Pi stoles when they graduate. Other Tau Beta Pi members are eligible to wear the stole by purchasing a stole for \$20.00.

During the 2022 Spring semester Iowa State University Commencement Ceremonies, 8 Cabinet Offices, 9 Distinguished Members and 36 other student members wore Tau Beta Pi stoles. The stoles are very distinctive on the black gowns worn during the graduation ceremony and make it possible to pick out the Tau Beta Pi members from among the more than 1,000 engineering graduates each semester.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

The use of the Tau Beta Pi stole is mainly intended to reward active members for their contributions to the Chapter, but has had the added benefit of identifying Tau Beta Pi members among all graduates, thereby contributing to Tau Beta Pi's purpose - to mark in a fitting manner those

who have conferred honor upon their alma mater by distinguished scholarship and exemplary character.

iii. **Organization and Administration**

Information on the availability of stoles is sent to all members with a request that graduating students complete an on-line Doodle form indicating if they want to buy or receive a stole only if it is free. Stoles are ordered from Headquarters and available for pick-up at the final General Meeting - Senior Sendoff of the semester, or later from the Chief Advisor at a central location prior to graduation day.

iv. **Total Cost**

\$446.0

v. **Cost Breakdown**

The Chapter purchases stoles from Tau Beta Pi Headquarters at a price of \$22.00 each. Income from the sale of 36 stoles was \$720.00. The value of the 17 stoles given to distinguished members was \$374.00. Actual cost to the Chapter was \$446.00. This cost was covered by the chapter.

vi. **Special Problems Encountered**

Because of the large number of members wanting Tau Beta Pi Stole an addition order for 30 stoles was placed in April. Unfortunately, there was a delay in delivery due to a shipment from the supplier to Tau Beta Pi being lost in transit and the Iowa Alpha Stoles only arrived during finals week. Fortunately, everyone wanting a stole was able to receive it prior to the Graduation Ceremony.

vii. **Overall Evaluation**

The use of the stoles is popular among both the active members and other Tau Beta Pi graduates. At Iowa State, all graduates are individually introduced and greeted by the University President or Provost during the graduation ceremony. Therefore, those wearing the Tau Beta Pi stoles were easily identifiable by parents and guests attending the ceremony. The 53 graduates wearing stoles was by far the largest number in a graduation ceremony since the wearing of stoles began in 2008.

3. **Additional Attachments**

Figure 186: Graduates Entering Ceremony

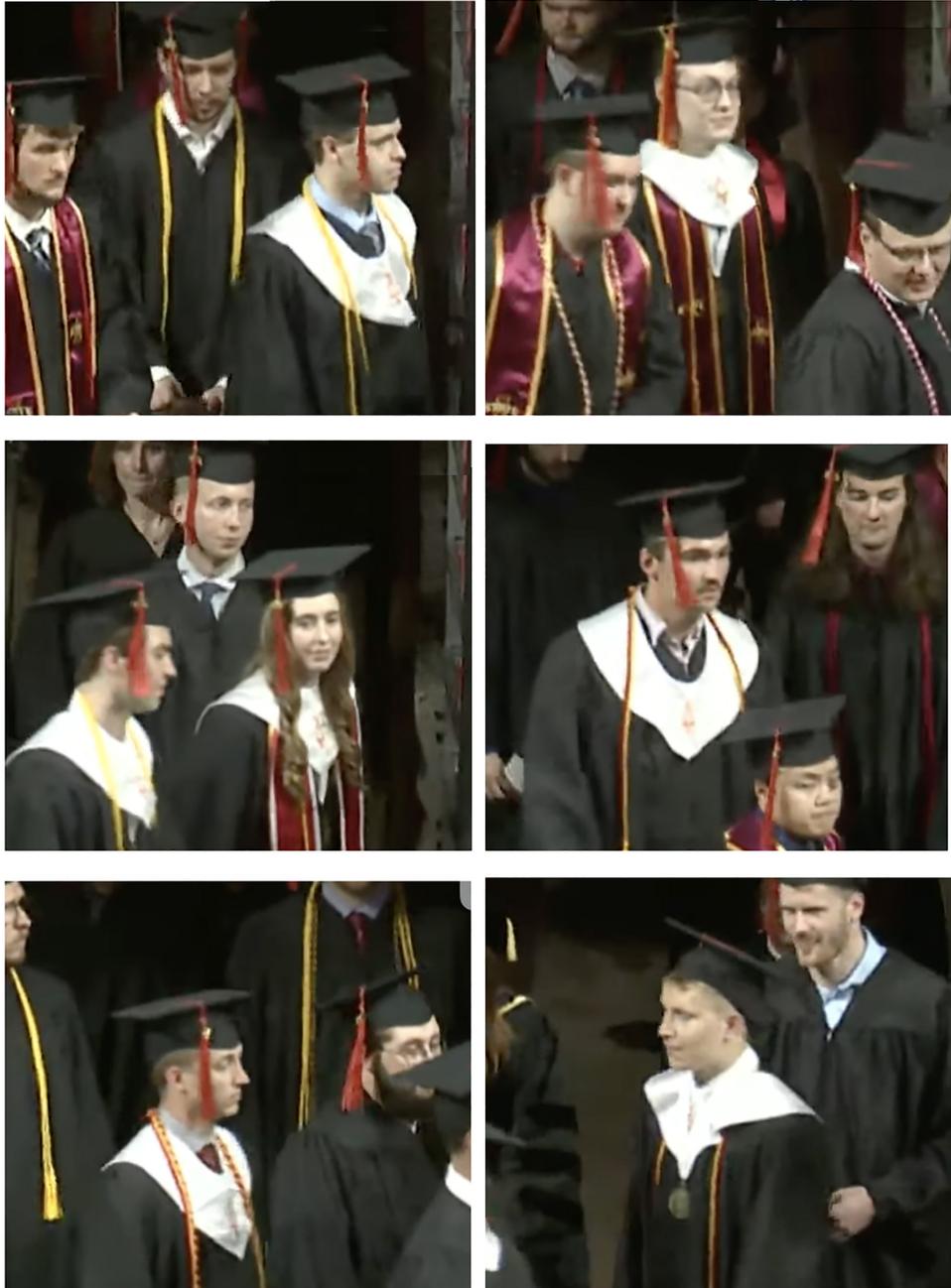


Figure 187: TBP Graduates Receiving Diploma



Figure 188: TBP Graduates Receiving Diploma

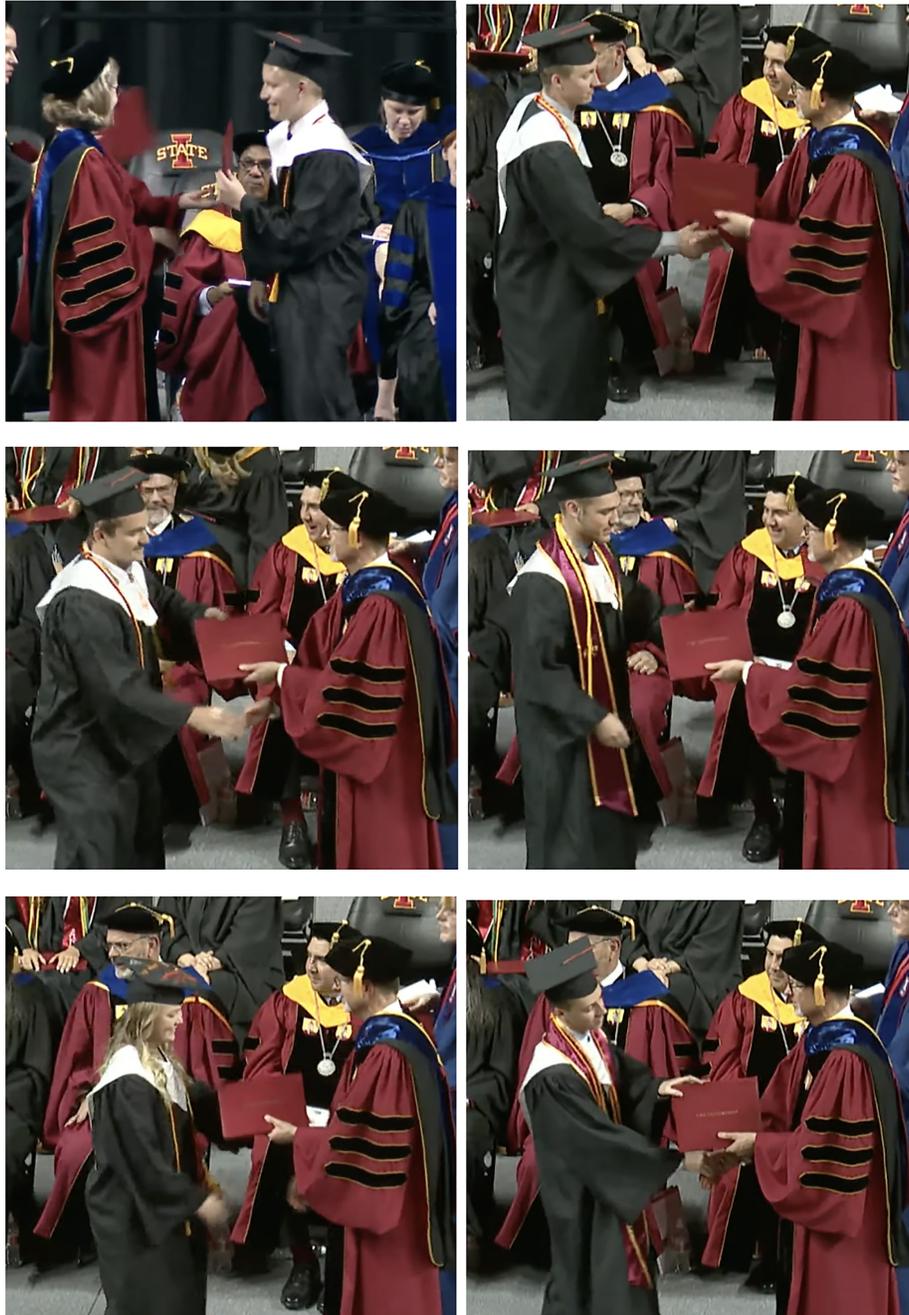


Figure 189: TBP Graduates Receiving Diploma



Figure 190: TBP Graduates Receiving Diploma



# 131 Tau Beta Pi – Iowa Alpha Scholars Program

## Iowa Alpha

### 1. Project Information

- i. Date(s): 05/25/22
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
  - Scholars Program
  - Community/Liberal Culture
  - University/College
  - Profession/Engineering
  - Chapter/Social
  - Education/Professional Development
  - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Advisors	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

### 2. Project Evaluation

#### i. General Description

During Spring/Summer 2022 our fourteenth class of Tau Beta Pi – Iowa Alpha scholars will be selected by the Iowa State University College of Engineering. Announcement of the 30 first year students selected to participate in the program has not yet been made by the College of Engineering. The scholars will be invited to attend a welcome picnic at the beginning of Fall Semester and will receive recognition a Certificate of Award indicating they will be the recipient of a \$500.00 scholarship and the opportunity to participate in scholars program activities.

#### ii. Purpose and Relationship to Objectives of Tau Beta Pi

To recognize the new Iowa Alpha Scholars and provide them the opportunity to meet each other and Tau Beta Pi officers and new members.

#### iii. Organization and Administration

The application and selection process for the Iowa-Alpha Scholars Program is coordinated through the College of Engineering using guidelines mutually agreed by the Chapter and the College of Engineering. The Chapter receives a list of eligible students (first year engineering students in the top 1/8 of their class) at the beginning of the Spring semester. An E-mail is sent to the students encouraging them to apply. The students apply for the scholars program through the College of Engineering on-line scholarship application system. The list of scholars

selected by the College (3 or more from each of the 8 engineering departments) is sent to the Chapter and we then contact the new Scholars to congratulate them.

iv. **In Conjunction With**

ISU Foundation & College of Engineering

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

The costs incurred for the 2022-23 scholars will amount to \$15,000 and will be funded through the Tau Beta Pi Scholars Program and the Tau Beta Pi Endowed Scholars Program with the Iowa State University Foundation. There will be no cost of the scholarships to the chapter.

vii. **Special Problems Encountered**

None

viii. **Overall Evaluation**

The program has been very successful in getting more engineering students to join Tau Beta Pi when they become eligible as Juniors and Seniors. Since the start of the program 324 scholarships have been awarded and 232 scholars (72%) have become eligible to join Tau Beta Pi. Of those eligible to join 151 (65%) have been elected to Tau Beta Pi membership. Often scholars join Tau Beta Pi during their first semester of eligibility as a Junior and therefore have several semesters to contribute to the Chapter before graduation. Many serve in leadership positions in the chapter. The program has demonstrated the value of making promising first year engineering students aware of Tau Beta Pi and encouraging them to join in their first semester of eligibility.

No participants list is attached since selection of the 2021-2022 scholars by the College of Engineering has not yet been announced.