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1 Speed Friending

New York Omicron

1. Project Information

- i. Date(s): 09/17/21
- 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
Members	15
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

2. Project Evaluation

- i. **General Description**

Speed Friending is a social event that we host each semester. The past two Speed Friending events have been on Zoom, but this was our first in-person one. Members were split into pairs and got to talk for 7 minutes. After 7 minutes, those sitting on one side of the room would move over one seat. This process was repeated for the hour long event.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

This event is a great way to meet other members of Tau Beta Pi. It also facilitates networking among different engineering disciplines.
- iii. **Organization and Administration**

This event was scheduled and the room was booked by the president. The PR officer made the flyer for the event and advertised on our social media accounts. One membership chair was responsible for advertising in our Groupme chat. All officers collaborated on the details of the event such as picking a date and time.
- iv. **Total Cost**

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

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Compared to the virtual Speed Friending events hosted last year, the turnout was not as great. It was easier for people to join over Zoom, especially commuters. Having the event on a Friday night could have also been a reason as to why not as many people came. To increase attendance I think the event should be held on a Monday or Wednesday next semester.

3. **Additional Attachments**

Figure 1:

TAU BETA PI PRESENTS

SPEED FRIENDING

**GET TO KNOW YOUR PEERS
IN PERSON!**

**LIGHT ENGINEERING BUILDING
ROOM 154**

**SEPTEMBER 17, 2021
6:00 PM- 7:00 PM**

Tau Beta Pi
The Engineering Honor Society

**Stony Brook
University**

2 TBP Game Night

New York Omicron

1. Project Information

i. Date(s): 09/22/21

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
Members	15
Electees	0

v. Average number of hours per person spent:

Participating	Organizing
3.5	1.0

2. Project Evaluation

i. General Description

We provided a variety of games for the members to play. There were many tables set up where different games were played. The games provided were: Jackbox, Catan, Exploding Kittens, Uno, cards, Telestrations, and Scattergories. At the end we handed out candy to the members.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Each semester we hold one to two game nights as a way for members to take a break from their busy lives and relax. It is also a way for members to meet each other in a casual setting.

iii. Organization and Administration

Event logistics were planned at weekly board meetings. The Public relations officer created the flyer and advertised the flyer on our social media pages. The two membership co-chairs advertised the event in our GroupMe chat and created the attendance form for the event. The president and Vice President were responsible for purchasing the games and setting up the room for the event. The president also booked the space for the event.

iv. Total Cost

\$65.32

v. **Cost Breakdown**

\$49.39 - Purchased 4 new games for the organization

\$15. 93 - Candy to give out at event

The candy was worth the price since we have 2/3 of the box left to give out at future events. The games were on sale for buy two get one free, and they can be used at future game nights which justifies their cost.

vi. **Special Problems Encountered**

The room we selected was supposed to have an HDMI port and cord to connect our laptop to the projector, but the room did not have this equipment. Instead of projecting the Jackbox game on the large screen, we used a laptop to play on which worked well.

vii. **Overall Evaluation**

The officers agree that the event went very well. Compared to the virtual game nights that we hosted in the past, the turnout was pretty good. The members were very pleased with the game selection and expressed their enjoyment about the event to the officers.

3. **Additional Attachments**

Figure 2: Flyer used for advertisement



3 MATLAB With Dr. Foluso Ladeinde (Open Event)

New York Omicron

1. Project Information

- i. Date(s): 10/18/21
- 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
Non-eboard attendees	3
Members	3
Electees	3

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.5

2. Project Evaluation

i. General Description

Professor Foluso Ladeinde (MEC Department, SBU) gave a 1.5 hour long presentation on the basics of MATLAB. His TA, HyeJin Oh, assisted him. The event was held in Engineering 112 (CAD Lab) to ensure each attendee's access to MATLAB software. The event was open to all students, including non-TBP members.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The event was designed to spread our presence on campus by providing a learning opportunity to undergraduate students (especially underclassmen). MATLAB is common in most engineering disciplines, making it highly relevant for both TBP members and prospective students.

iii. Organization and Administration

Professor Foluso Ladeinde served as the speaker/presenter. HyeJin Oh, his TA, served as his assistant. Kentaro Matsushima served as host, and Maya Florentino served as safety officer.

iv. Total Cost

\$0.0

v. **Cost Breakdown**

No funds required. Professor Ladeinde volunteered his time for free. CAD Lab reservation had no associated costs.

vi. **Special Problems Encountered**

Although we reserved the room several weeks in advance, CEAS IT failed to make the necessary arrangements to have the room open for us. This resulted in a 40 minute delay to the start of the event, causing about half of the students who showed up to leave. A different professor ultimately called University Police, who opened the door for us. The event also ran over the original end time by about 30 minutes.

vii. **Overall Evaluation**

Event attendance was poor. About 18 students originally RSVP'd on SBEngaged, and 15 or so showed up. However, the room issue/delay caused about half to leave. We also expect feedback on the event to be less than stellar, due to the event running over by 30 minutes.

Professor Ladeinde's presentation was excellent. There were no issues with computers/software, and everything ran smoothly after the room issue was resolved.

3. **Additional Attachments**

Figure 3: Flyer used to advertise event.



MATLAB with Dr. Foluso Ladeinde

Whether you're a code Expert or New,
learn the Basics of Engineering Code.

Gain a competitive edge in the
growing engineering world!

**OCTOBER 18TH, 2021
MONDAY
6:30 PM - 8:00 PM**

**"OLD" ENGINEERING BUILDING
ROOM 112**

**RSVP NOW ON
SBENGAGED!**



Tau Beta Pi
The Engineering Honor Society

Stony Brook
University

4 Spooky Study Session

New York Omicron

1. Project Information

- i. Date(s): 10/26/21
- 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
Members	10
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

2. Project Evaluation

- i. **General Description**

Halloween themed study session for Tau Beta Pi members. We booked a room with a lot of desks and white boards to allow for collaboration. Members got to meet each other and work on assignments or study for exams. We gave out halloween candy and pretzels, and played halloween study music in the background.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The purpose of the event was to provide our members with a quiet place to study during busy midterm season. It was also an opportunity to meet other members and collaborate on assignments.
- iii. **Organization and Administration**

The chapter President was responsible for booking the room for the event. The President and Vice President bought the snacks for the event. The whole executive board planned the logistics for the event at our weekly meetings.
- iv. **Total Cost**

\$29.97

v. **Cost Breakdown**

\$6.99 - Bucket of 70 bags of halloween pretzels

\$9.99 - Full size candy bars

\$12.99 - Assorted mini fall themed candy

The members were very pleased with the selection of snacks and there were more than enough snacks for everyone. We were able to use the extra snacks for our pumpkin painting event.

vi. **Special Problems Encountered**

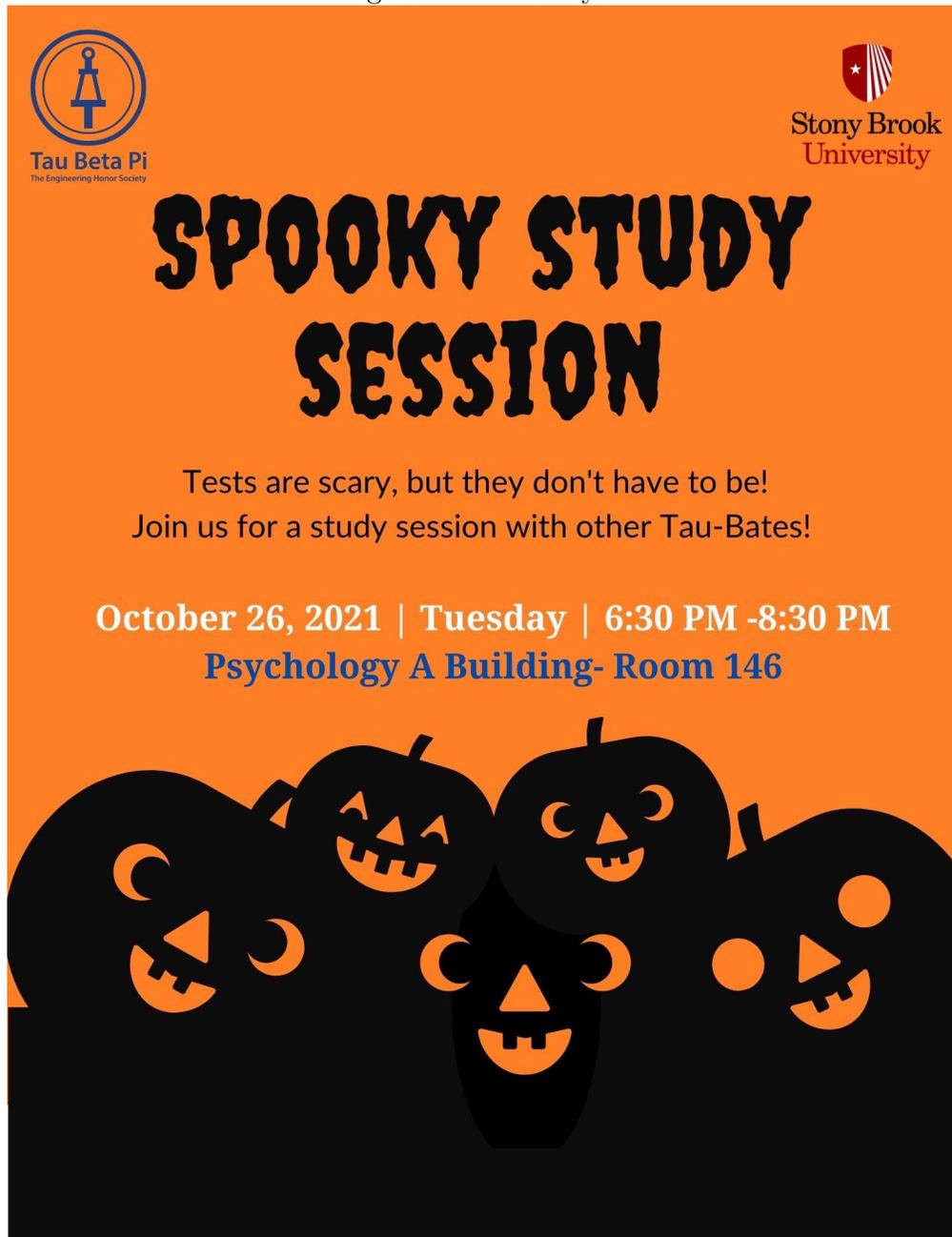
The event went very well, and there were no issues with either planning or running the event. The turnout was a little less than we had predicted, but this could be due to the fact that it was raining very hard that night.

vii. **Overall Evaluation**

Overall the event was successful. On a response form sent out to our members the responses were all very positive. We hope to hold study sessions like this in the future.

3. **Additional Attachments**

Figure 4: Event Flyer



5 AIChE x TBP Pumpkin Painting Night

New York Omicron

1. Project Information

- i. Date(s): 10/28/21
- 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
Non-Members	22
Members	7
Electees	2

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

2. Project Evaluation

- i. **General Description**

Members of TBP and AIChE (American Institute of Chemical Engineers) SBU Chapters decorated small pumpkins using glow-in-the-dark paint and foam brushes. Social interaction was encouraged by grouping together participants at tables. 40 pumpkins were prepared for decoration, and participants obtained the paint from a table at the front of the room, which was distributed on paper plates for easy cleanup.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

To spread our presence on-campus, introduce additional high-achieving students such as those in AIChE to Tau Beta Pi, and allow for interaction between members of both organizations.
- iii. **Organization and Administration**

This event was co-hosted by the AIChE e-board, as well as two members of the TBP e-board. Costs for materials were split between the two groups.
- iv. **In Conjunction With**

AIChE (American Institute of Chemical Engineers)
- v. **Total Cost**

\$78.21

vi. **Cost Breakdown**

\$78.21 for 40 mini pumpkins. Leftover plates from past events were used. Two TBP e-board members were present, as well as 6 AIChE e-board members.

vii. **Special Problems Encountered**

A small number of attendees did not RSVP, so they were unaccounted for in the purchasing of pumpkins. However, we ultimately had enough for everyone. Tables had minor paint spills that were somewhat difficult to clean.

viii. **Overall Evaluation**

The event had excellent attendance, due to the co-hosting between two organizations, as well as the fun nature of the activity. Very few attendees did not RSVP, so we had more than enough pumpkins for everybody to receive one. Event feedback was good, and it seems that these low-stress events are particularly enjoyed by attendees. Pumpkins were quite expensive, so we may wish to look into cheaper sources in the future. We should also purchase tablecloths for easier cleanup afterwards.

3. **Additional Attachments**

Figure 5: Flyer used to advertise event.



6 Tau Talk - Dr. Assanis

New York Omicron

1. Project Information

- i. Date(s): 11/11/21
- 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
Non-Members	5
Members	7
Electees	2

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.5

2. Project Evaluation

i. General Description

Tau Talks are a reoccurring event that highlight the research and technology at Stony Brook University. We ask different professors to give talks on their research or a general engineering topic. For this Tau Talk, Dr. Assanis from the Department of Mechanical Engineering spoke about alternative fuels and advancing towards a carbon neutral economy. The event was a collaboration with Pi Tau Sigma, the mechanical engineering honor society at Stony Brook University.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the event was to give our members the opportunity to learn a new/interesting topic relating to engineering. Also, they were able to ask questions and converse with a distinguished professor.

iii. Organization and Administration

Both organizations worked on planning and finding a good location to hold the event. Pi Tau Sigma booked the room for the event and reached out to the professor. Tau Beta Pi was responsible for advertising the flyer on our social media pages.

iv. **In Conjunction With**

Pi Tau Sigma

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

N/A

vii. **Special Problems Encountered**

N/A

viii. **Overall Evaluation**

Overall the event went pretty well. The turnout was not as high as we had hoped, but it is consistent with other events. The talk was very interesting and attendees participated and initiated conversation with the professor.

3. **Additional Attachments**

Figure 6: Event Flyer

Pi Tau Sigma and Tau Beta Pi Presents...

**Tau Talks:
Dr. Dimitris Assanis**

**Fueling Our
Way Forward**



A discussion of alternative fuels and the advancement toward a carbon neutral economy

**When and Where?
November 11th at 7pm
in Light Engineering
152**

**NET ZERO
CO₂ EMISSIONS
2050**

Tau Talks is a series of short lectures that highlight all the amazing research and technology here at Stony Brook University! Tune in to learn something exciting and new!

7 Tau Talk - Dr. Yao

New York Omicron

1. Project Information

- i. Date(s): 11/18/21
- 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
TBP Officers	3
Members	16
Electees	2

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.5

2. Project Evaluation

i. General Description

Tau Talks are a reoccurring event that highlight the research and technology at Stony Brook University. We ask different professors to give talks on their research or a general engineering topic. For this Tau Talk, Dr. Yao from the Department of Mechanical Engineering spoke about engineering nanomaterials and structures for sensors and actuators. The event was a collaboration with Pi Tau Sigma, the mechanical engineering honor society at Stony Brook University.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of the event was to give our members the opportunity to learn a new/interesting topic relating to engineering. Also, they were able to ask questions and converse with a distinguished professor.

iii. Organization and Administration

Both organizations worked on planning the Tau Talk. Tau Beta Pi set up the Zoom meeting and reached out to the professor. Pi Tau Sigma was responsible for advertising the flyer on social media pages.

iv. **In Conjunction With**

Pi Tau Sigma

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

N/A

vii. **Special Problems Encountered**

N/A

viii. **Overall Evaluation**

Overall the event went pretty well. The turnout was much better than expected and we hope to continue this level of attendance with other events. The talk was very interesting and attendees participated and initiated conversation with the professor.

3. **Additional Attachments**

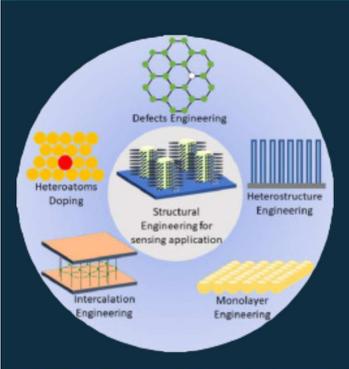
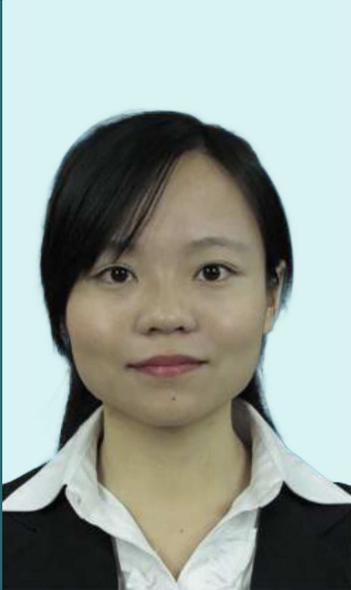
Figure 7: Flyer used for advertisement

Pi Tau Sigma and Tau Beta Pi Presents...

Tau Talks: Shanshan Yao

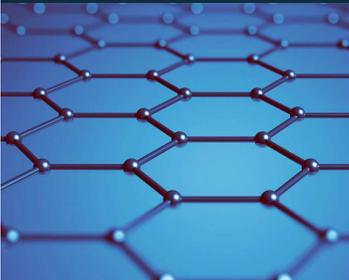
Engineering Nanomaterials and Structures for Sensors and Actuators



**When and Where?
November 18th at 8pm
over Zoom!**

**ID: 973 4574 7834
Passcode: 930410**

Tau Talks is a series of short lectures that highlight all the amazing research and technology here at Stony Brook University! Tune in to learn something exciting and new!



8 Arduino Workshop

New York Omicron

1. Project Information

- i. Date(s): 11/30/21
- 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
TBP Officers	1
Non-Members	10
Collaborating Organization Officer	4
Members	5
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
4.5	2.0

2. Project Evaluation

i. General Description

The event was hosted by SHPE (Society of Hispanic Professional Engineers) in collaboration with Tau Beta Pi, Theta Tau (Professional Engineering Fraternity), ColorStack, and Stony Brook Solar Racing. Arduino and SnappyXO kits provided by the College of Engineering were distributed to members during the event. The goal of the workshop was to facilitate collaboration between students from different majors. Students who were less experienced with Arduino worked to create a festive light display. More experienced students used the Arduino and SnappyXO kits to create a moving holiday display (ex: reindeer or dancing Santa). The event started with a brief introduction of the collaborating organizations followed by a demonstration on how to use the Arduino kits.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Members had the opportunity to learn how to use the Arduino kits. Only certain majors learn Arduino, so this was a great opportunity for students from other majors to learn something new that can benefit them in the future.

iii. **Organization and Administration**

The SHPE president held meetings with all collaborating organizations to plan the event. SHPE booked the room for the space and the kits for the event. All organizations advertised the event, worked on the presentation, and set up the room.

iv. **In Conjunction With**

SHPE, Theta Tau, ColorStack, Solar Racing

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

N/A - Kits were provided for free by the College of Engineering

vii. **Special Problems Encountered**

N/A

viii. **Overall Evaluation**

The event went very well overall. The demonstration in the beginning was very informative, especially for those who have never used Arduinos. The kits were very extensive and had a lot of different parts to explore. The attendance was less than expected with 5 collaborating organizations, this might have been an issue since finals are soon and it was also after a break.

3. **Additional Attachments**

Figure 8: Event Flyer

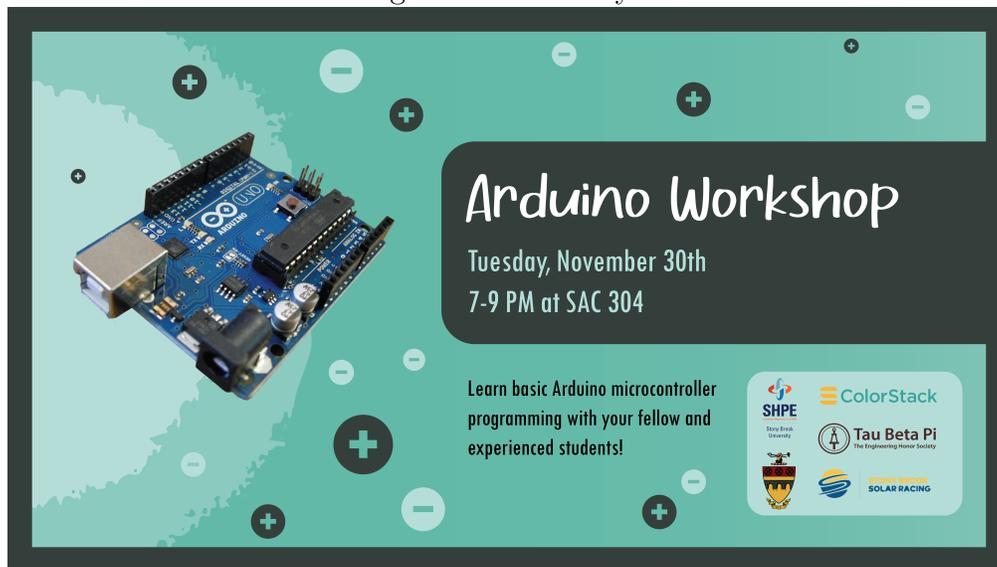


Figure 9: Event Flyer

SHPE Stony Brook University
Leading Hispanics in STEM

Arduino Workshop

Tuesday, November 30th 7-9 PM
SAC 304

Learn basic arduino microcontroller programming with fellow students!

   **Tau Beta Pi**
The Engineering Honor Society  **STONY BROOK SOLAR RACING**

9 Finals Study Session

New York Omicron

1. Project Information

- i. Date(s): 12/06/21
- 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
TBP Officers	4
Members	6
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
3.5	2.0

2. Project Evaluation

i. General Description

After the positive feedback from our first study session in October, we wanted to hold another one. The goal of the event was to provide members with a quiet and relaxing place to study and work on projects. During finals it is almost impossible to find a spot to study at the library, so our members were provided with a guaranteed study spot for a few hours. We supplied holiday themed snacks and drinks (hot chocolate, soda, water), and played holiday music. Members were able to study, but also destress before finals.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

This event was open to only Tau Beta Pi members, so they had exclusive access to this space. Also, members were able to socialize and meet other members.

iii. Organization and Administration

The event was planned by all of the e-board members at our weekly meetings. The President, Vice President, and Treasurer went to stores to purchase all of the supplies.

iv. Total Cost

\$30.0

v. **Cost Breakdown**

\$18 for cookies (\$10 holiday cookies, \$8 assorted cookies)

\$6 for hot chocolate

\$6 for cups and napkins

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The event went well overall, and was enjoyed by the attendees. It was held on the last day of classes which explains the low turnout.

3. **Additional Attachments**

Figure 10: Event Flyer



10 Speed Friending

New York Omicron

1. Project Information

- i. Date(s): 02/03/22
- 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
Members	6
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

2. Project Evaluation

- i. **General Description**

Speed Friending is an event we like to hold at the beginning of each semester. Attendees are paired with another member, and get to talk for 5-7 minutes. After this time, the pairs are rotated for the duration of the event.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The purpose of this event is to give members an opportunity to meet each other at the start of the semester. This is also a good opportunity to meet the officers and the Tau Bates that were initiated in the previous semester.
- iii. **Organization and Administration**

The event was planned at our weekly e-board meetings. The president booked the room for the event. The recording secretary created the flyer for the event.
- iv. **Total Cost**

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

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

N/A

vii. **Overall Evaluation**

Overall the event went pretty well. These events typically have a better turnout, but the lower turnout could be due to the poor weather that day. One benefit of the small turnout was that everyone had the chance to speak with all of the attendees.

3. **Additional Attachments**

Figure 11: Event flyer



11 FE/PE Exam Info Session

New York Omicron

1. Project Information

- i. Date(s): 02/23/22
- 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
TBP Officers	1
SBU Faculty	1
Members	12
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
4.0	1.0

2. Project Evaluation

i. General Description

The goal of this event was to provide information about the engineering licensure exams to our members. Deb Klein, the Assistant Director of Student Services for the College of Engineering at Stony Brook University, gave a detailed presentation about the steps to becoming a licensed professional engineer in New York. She discussed the benefits of becoming licensed, the required paperwork/forms, and which disciplines the exams are offered in. After Deb's presentation, the TBP President gave a short presentation on how TBP members can access the exclusive exam prep material discounts.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this event was to highlight the exclusive benefits that are given to Tau Beta Pi members. Members were given step by step directions on how to find and access the TBP discounts for the FE and PE exam prep materials.

iii. Organization and Administration

The purpose of this event was to highlight the exclusive benefits that are given to Tau Beta Pi members. Members were given step by step directions on how to find and access the TBP discounts for the FE and PE exam prep materials.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

There were no problems that occurred during the event or with the planning.

vii. **Overall Evaluation**

The event was very successful! The members participated a lot during the event and asked many questions. The presentation that Deb prepared was very informative, and the slides were shared with the attendees after the event.

12 Tau Bate Study Session (March 2022)

New York Omicron

1. Project Information

- i. Date(s): 03/02/22
- 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
TBP Officers	3
Members	9
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	2.0

2. Project Evaluation

- i. **General Description**

The goal of this event was to provide members with a quiet and relaxing place to study, work on projects, and socialize with other members if they wish. We supplied snacks and drinks (hot chocolate, water). Members were able to study, but also de-stress before between midterms..
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

This event was open to only Tau Beta Pi members, so they had exclusive access to this space. Also, members were able to socialize and meet other members.
- iii. **Organization and Administration**

The event was planned by all of the e-board members at our weekly meetings. We used some extra supplies that the President, Vice President, and Treasurer purchased for the Fall 2021 Study Sessions.
- iv. **Total Cost**

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

No cost for this event as we had extra supplies from past events.

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The event went well overall, and was enjoyed by the attendees. We will hold more study sessions like this in the future, especially one before finals week.

13 Lean Six Sigma White Belt Training (Open Event)

New York Omicron

1. Project Information

- i. Date(s): 03/07/22 - 04/23/22
- 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
TBP Officers	4
Non-Members	52
Collaborating Organization Officer	8
Members	6
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
10.0	12.0

2. Project Evaluation

i. General Description

Through this Lean Six Sigma White Belt training event, we aimed to give all Stony Brook University students an opportunity to add an incredibly useful skill set and certification to their toolbox that will be applicable no matter where they go in their careers. This training provides a foundation and fundamental understanding of how to improve processes and practices in any company or organization, which is why we opened this event to all students. We had reached out to other departments to advertise this event to more students of other majors, but it was tough to get any responses. Thus, mostly engineering students attended. We will try to advertise earlier and to more departments in the future.

During a spring 2021 e-board meeting, we initially brainstormed different training and certification programs that we could offer to members. An electee most likely suggested trainings and certifications as something they would like to see our chapter provide. Out of many options, we chose Lean Six Sigma as it was the most diverse option and would allow us to serve many more

students on campus (something like AWS would be too heavily focused on CS majors). We reached out to the Lean Six Sigma Institute and discussed options throughout the last spring and fall semesters. After planning with 6 collaborating organizations throughout winter break and the first few weeks of the Spring 2022 semester, we opened registration and settled on a flexible schedule that worked for most students. Since this training was online, we were able to accommodate everyone and now have a total of 70 students attending the training. This project was a huge success and we hope to hold similar trainings in the future.

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

This event fulfills our goal to serve the community and offer professional/career development opportunities and foster additional education. This also helped us become more active in overall campus involvement and spreads our name, since this was not restricted to only Tau Beta Pi members.

iii. **Organization and Administration**

The whole executive board brainstormed and planned the general concept of the training event as well as who to reach out to. The President and Treasurer reached out to the Lean Six Sigma Institute and collaborating organizations on campus to make the necessary arrangements for the event. The President handled more communications and the Treasurer handled the financing of the training.

iv. **In Conjunction With**

AIChE, CentriSeed, NSBE, Pi Tau Sigma, SHPE, SWE

v. **Total Cost**

\$26.0

vi. **Cost Breakdown**

White Belt Training Group Rate: \$3480

Our Advertised Price (based on initial 80 student interest): $\$3480/80 + \5.5 (in case of withdrawn interest) = \$49

Final Participant Count: 70

Collected Fees: $70 \times \$49 = \3430

Chapter Out of Pocket Expense = $\$3480 - \$3430 = \$50$

Collaborating Chapters helped pay Deficit: $3 \times \$8 = \24

Total Expense: $\$50 - \$24 = \$26$

vii. **Special Problems Encountered**

The training itself was very successful. The planning phase was as expected of any large event. Our main problems were that some departments that we reached out to did not respond to our request to advertise the training event to their students and that some students withdrew their interest which incurred some unexpected cost associated with missing payments (thankfully it was minimal). We will advertise a higher cost in the future to protect against this.

viii. **Overall Evaluation**

Overall, this event was extremely successful. Though we would've like to have more participants (initially aimed for 100), 70 was a fantastic outcome for our first time hosting this event. We will reach out to more organizations and departments in the future and hope to reach more than 100 participants. We have not sent out a survey yet as the event is still in progress. Our contacts at the Lean Six Sigma Institute were extremely professional and accommodating to our busy schedules.

3. Additional Attachments

Figure 12: Lean Six Sigma White Belt Certification Flyer



The flyer is a vertical rectangular graphic with a light gray background. It features several decorative elements: a black triangle in the top left, a black and white wavy line, and a circular logo in the top right. The main text is centered and uses a mix of bold blue and black fonts. A large QR code is positioned in the lower middle section. At the bottom, there are logos for several partner organizations, including the National Society of Black Engineers, Centriseed Innovations, Stony Brook AICHE, Society of Women Engineers, and SHPE. A small crest logo is also present on the right side of the bottom row.


Tau Beta Pi
The Engineering Honor Society

TAU BETA PI PRESENTS:

LEAN SIX SIGMA WHITE BELT CERTIFICATION

*Stand out on job/internship applications
and interviews with your knowledge of
project management tools and methods!*

**6 WEEK ZOOM TRAINING WITH
CERTIFICATE AWARDED AT THE END OF
THE PROGRAM**

Scan this QR code to learn more and sign up!



In collaboration with:



14 Engineering in the Kitchen

New York Omicron

1. Project Information

- i. Date(s): 03/07/22
- 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
TBP Officers	1
Non-Members	86
Members	20
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
4.0	2.5

2. Project Evaluation

i. General Description

Engineering in the kitchen is hosted annually by the Stony Brook University chapter of the American Institute of Chemical Engineers (AIChE). At this event different engineering/science organizations have tables where they provide free food to attendees and explain the engineering principles behind the food. For Tau Beta Pi we brought pies for the students and had a presentation that discussed engineering principles such as separations, heat and mass transfer, and the Maillard browning reaction.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

This event is a great way for student to learn more about Tau Beta Pi by stopping at our table and interacting with the officers. Not only do students get the opportunity to interact with other students and club officers, but they are able to learn about the engineering principles behind their favorite foods.

iii. Organization and Administration

This event was mainly organized by AIChE. AIChE reached out to the collaborating organizations and booked the space for the event. Each organization provided and served their own

food at the event. All of the organizations took part in advertising and sharing the event details with their students.

iv. **In Conjunction With**

AIChE, Centriseed, ACS, SWE, SBUEC, AEMB, BMES

v. **Total Cost**

\$20.47

vi. **Cost Breakdown**

Cost for 3 pies (blueberry, cherry, and apple). Each organization paid for their own supplies/food.

vii. **Special Problems Encountered**

There were no problems that occurred during the event. Each organization had enough food for all of the attendees.

viii. **Overall Evaluation**

Overall the event was very enjoyable and successful! Over 100 students attended and 8 organizations co-hosted the event. We will definitely participate again in the future.

15 Tau Bate Game Night

New York Omicron

1. Project Information

- i. Date(s): 03/24/22
- 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
TBP Officers	2
Members	8
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.0

2. Project Evaluation

i. General Description

Members were invited to play various board games, such as Telestrations, Uno, etc. Participation included a large, all-person game, as well as smaller "breakout" sessions. A regular classroom was used, and desks were put together to form "tables."

ii. Purpose and Relationship to Objectives of Tau Beta Pi

This event allows for the socialization of our members, which enhances their interpersonal relations and facilitates the formation of new friendships. It also allows our members to take a break from the stressful midterm season, which will likely increase their performance and prevent burnout.

iii. Organization and Administration

This event was organized by Tau Beta Pi NY O. Maya Florentino and Kentaro Matsushima hosted the event. The event ran very smoothly, with no notable deviations.

iv. Total Cost

\$0.0

v. **Cost Breakdown**

This event did not cost any money, as previously purchased board games were used. Two e-board members ran the event. There were more than sufficient numbers of participants for the event to be successful.

vi. **Special Problems Encountered**

No significant problems were encountered. The weather for the evening was not great, which may have lowered turnout.

vii. **Overall Evaluation**

The event was a success. We were able to play several all-person games of Uno (which also allowed us to "deal in" latecomers rather than have them wait), and it seemed that everyone enjoyed the subsequent smaller games as well. The event provided a fun, relaxing event for all participants to destress in the evening. In the future, we may wish to secure a room with better furniture, so that a more traditional board-game setup may be achieved. We may also wish to consider good weather.

3. **Additional Attachments**

Figure 13: Flyer used to advertise event.



16 Virtual Alumni Panel

New York Omicron

1. Project Information

- i. Date(s): 03/30/22
- 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
TBP Officers	2
TBP Alumni	4
Members	18
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
4.0	1.5

2. Project Evaluation

i. General Description

Our chapter invited four NY O alumni to a virtual panel, where they discussed various aspects of their careers. The event was held in a "question-response" format, where the host would ask a general question, and each alumni would respond individually (and occasionally add to other alumni's answers). Participants were also invited to ask their own questions. The alumni invited were Daniella Hébert, Karthik Ledalla, Matthew Russo-Friedman, and Kaylee Soderburg.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

This event reinforces TBP's mission to further the career prospects of its members, and to introduce them to valuable advice that will greatly facilitate their transition into late-stage education and/or industrial careers. Our alumni are already distinguished scholars from their membership in TBP, and the four individuals we invited back are highly accomplished in their respective career fields; this makes their advice extremely valuable for undergraduate students facing the daunting task of transitioning to the next stage of their lives.

iii. **Organization and Administration**

This event was hosted by TBP NY O. Maya Florentino (President) and Kentaro Matsushima (VP) co-hosted the event. Participating alumni members were Daniella Hébert, Karthik Ledalla, Matthew Russo-Friedman, and Kaylee Soderburg. The event ran as scheduled, with no major issues.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost associated with this event, as the alumni volunteered their time. Also, since the event was virtual (Zoom), there was no need to secure a classroom to host the event. We received a satisfactory number of participants.

vi. **Special Problems Encountered**

There were no significant issues with hosting the event. However, participation was a challenge, as students were reluctant to ask their own questions. This is unfortunately a common issue with virtual meetings. In the future, we may wish to send out an email to students beforehand asking for questions.

vii. **Overall Evaluation**

Overall, the event was a success. Everything ran smoothly and on schedule, and there were no issues with the Zoom call. The alumni provided wonderful insight, and it was a pleasure to listen to their advice. We certainly met our goal of providing our members with valuable information on how to tackle the next stage of their lives. In the future, we may wish to have a more effective system for asking questions.

3. **Additional Attachments**

Figure 14: Flyer used to advertise event (event description)

TAU BETA PI PRESENTS:

VIRTUAL ALUMNI PANEL

Connect with TBP graduates and see their progression in their industries!

**WEDNESDAY
MARCH 30TH, 2022
7:30 PM (ZOOM)**

**MEETING ID: 923 5461 7362
PASSWORD: 576596**

ALUMNI SPEAKERS:
DANIELLA HÉBERT
KARTHIK LEDALLA
MATTHEW RUSSO-FRIEDMAN
KAYLEE SODERBURG


Tau Beta Pi
The Engineering Honor Society

Figure 15: Flyer used to advertise event (alumni biographies)



Daniella Hébert (2021, Mechanical Eng.)
Member of WISE. Worked on research in a heat transfer lab. Member of the VIP Program's Medical Device Innovation Clinic. 1st year Ph.D. Student at Columbia University conducting research on laser processing for biomedical applications.

Karthik Ledalla (2021, Biomedical Eng. and Applied Math)
Research in synthetic biology, designing and modeling genetic circuits. Assistant Scientist at Janssen Pharmaceuticals in drug product development of antibody therapies. Tests the stability of drug product formulations and coordinates other studies to inform decisions on drug manufacturing and presentation.

Matthew Russo-Friedman (2021, Electrical Eng.)
Internship with Brookhaven National Laboratory. Research experience at SensorCAT & Clumped Isotope Geochemistry labs. Electrical Systems Engineer at General Dynamics Electrical Boat. Attending Johns Hopkins University for an M.S. in Electrical and Computer Engineering.

Kaylee Soderburg (2019, Chemical & Molecular Eng.)
Manufacturing Engineer at Northrup Grumman upon graduation. Microelectronics Process Engineer since 2020. Currently pursuing an M.S. in Materials Science and Engineering at Johns Hopkins University. Chapter Advisor For SBU Tau Beta Pi.

17 Tau Talks: Building your career with a demolition engineer

New York Omicron

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
TBP Officers	1
Non-Members	3
Collaborating Organization Officer	1
Members	7
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
3.0	1.5

2. Project Evaluation

i. General Description

Tau Talks are reoccurring events where either professors or industry professionals discuss an engineering topic, their research, or their career path. For this event, Thomas McLoughlin from Breeze Civil Engineers L.L.C., discussed his career path after college and what he does as a structural engineer.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this event was to connect our members with an industry professional and provide insight into a possible career path. Thomas graduated recently, so he was able to provide very relevant information and advice to our members.

iii. Organization and Administration

The president of Pi Tau Sigma reached out to the speaker for this event and booked the room. Tau Beta Pi worked on advertising the event on our social media pages.

iv. In Conjunction With

Pi Tau Sigma

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

N/A

vii. **Special Problems Encountered**

The event was originally planned for April 6th, but the speaker had a last minute work obligation so he had to cancel. He cancelled two days before the event, but we were able to reschedule. Also, the computer was not working at first, but since we were there to set up early, a technician was able to resolve the issue before the event started.

viii. **Overall Evaluation**

Overall the event was very successful. Thomas gave a very engaging talk and brought physical design plans that attendees could look at. The attendees asked a lot of questions and stayed after the event to talk with each other and the speaker.

18 TBP Rock Painting Collab Event

New York Omicron

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
Non-Members	29
Members	14
Electees	5

- v. Average number of hours per person spent:

Participating	Organizing
3.0	3.0

2. Project Evaluation

- i. **General Description**

A collaborative project in which engineering clubs in Stony Brook University came together to update the paint on their organization's rock in the Engineering Quad.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

Social event that strengthened our relationship with our members as well as other organizations in the College of Engineering and Applied Sciences
- iii. **Organization and Administration**

Maya, our chapter's president, met with other leaders of the participating groups twice to plan the details of the project. Meetings included participating over zoom, making assumptions on how many people would attend the event, figuring out when we would host the event.
- iv. **In Conjunction With**

Solar Racing, SHPE, BMES, SWE, ASCE, AIChe, IEEE
- v. **Total Cost**

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

\$15.19 for new paint, and enough personnel attended the event to help paint the TBP rock

vii. **Special Problems Encountered**

Didn't have brushes for the details, but we were able to use a brush from one of our members

viii. **Overall Evaluation**

The chapter reached the goals of this event (repainted our rock and added new designs, met new members and created new relationships with other organizations). In the future, we could make sure to have enough brushes for each individual.

3. **Additional Attachments**

Figure 16: rock painting event



Figure 17: rock painting event



19 Tau Talks: Dr. Steve Nitodas

New York Omicron

1. Project Information

- i. Date(s): 04/27/22
- 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
TBP Officers	2
Non-Members	1
Collaborating Organization Officer	2
Members	11
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
3.5	1.5

2. Project Evaluation

i. General Description

This talk was part of our reoccurring event series where professors discuss their research or a general engineering topic. Dr. Nitodas spoke about the role of engineers in industry and the steps for a successful career path. He provided a lot of useful information especially for our sophomore and junior members.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

This event highlighted different career paths that engineers could take and industries they could enter. Attendees had the opportunity to ask the speaker questions and for advice on their own career path.

iii. Organization and Administration

The TBP president reached out to the speaker for the event and booked the room. The Pi Tau Sigma president created the flyer and a feedback form for the attendees.

iv. In Conjunction With

Pi Tau Sigma

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

N/A

vii. **Special Problems Encountered**

N/A

viii. **Overall Evaluation**

Dr. Nitodas' talk was very informative and he shared his slides after the event to distribute to the attendees. For future Tau Talks the presentation should be limited to 40 minutes to an hour. His presentation was about an hour and a half which students expressed felt too long.

20 Bent Polishing

New York Omicron

1. Project Information

- i. Date(s): 04/28/22
- 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
TBP Officers	2
Members	2
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	0.5

2. Project Evaluation

i. General Description

The TBP NY Omicron Chapter's official Bent is located in the Engineering Building lobby at Stony Brook University. Every year, it has been a tradition to clean and polish the Bent, which symbolizes the organization's prestige and membership. Due to COVID restrictions, this event had not occurred for the past few years.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The Bent symbolizes the presence and prestige of Tau Beta Pi on the Stony Brook University campus. It allows for recognition of the organization by passerby who enter the Engineering Building. The Bent attracts their attention and potentially inspires them to join the organization in the future. The event also allows for members and officers of the organization to meet and collaborate on a fun project.

iii. Organization and Administration

Maya Florentino organized the event. The event was hosted by Maya and Kentaro Matsushima.

iv. Total Cost

\$0.0

v. **Cost Breakdown**

There were no costs associated with this project, as the materials we needed were purchased during prior years.

vi. **Special Problems Encountered**

There were no serious issues. We had extremely low attendance, presumably due to the time and location of the event.

vii. **Overall Evaluation**

The event was a moderate success. The bent was polished nicely, and it was a fun event for the attendees to collaborate on. Unfortunately, attendance was extremely poor. In the future, we may hope to advertise the event earlier, and host it at an earlier time on a less crowded day.

21 TBP Study Session II

New York Omicron

1. Project Information

- i. Date(s): 05/07/22
- 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
TBP Officers	2
Members	1
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
3.0	2.0

2. Project Evaluation

- i. **General Description**
Held a Study Session for members to study together in the last week of classes before finals.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**
Promoted academic success and support for our members.
- iii. **Organization and Administration**
The president led the organization of the event, getting snacks, organizing the room, and making a flyer to promote on our socials.
- iv. **Total Cost**
\$0.0
- v. **Cost Breakdown**
N/A
- vi. **Special Problems Encountered**
Not many members showed up.
- vii. **Overall Evaluation**
Although we only have three participants, we were able to make the most of the event between studying and hanging out with other members of Tau Beta Pi.