



THE Bulletin

of Tau Beta Pi

September 2012

A Publication for
the Collegiate
Chapters

Activating Alumni

TAU BETA PI living alumni number in the hundreds of thousands (450,000 to be exact). Many of them have not heard from the Association since they were initiated, perhaps many years ago, because of outdated contact information. This past spring, there has been a movement to reach out to alumni in different parts of the country and invite them back and welcome their involvement in the organization.

Since the beginning of the year, Executive Director Curt Gomulinski has hosted eleven alumni gatherings with close to 150 alumni in attendance. From this effort one inactive alumnus chapter has become active again, a new chapter has been chartered, and seven TBPI alumnus chapters have added alumni to their membership rosters. Curt plans to host more alumni gatherings this fall and next spring. ([Click here](#) for the calendar.)

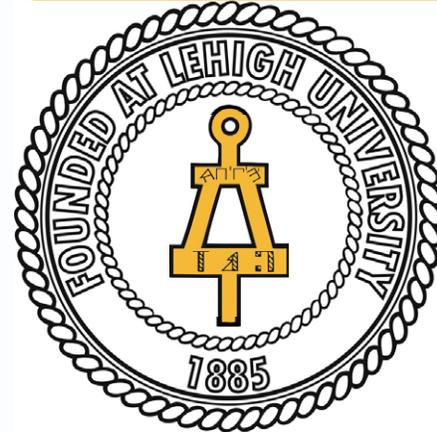
Why are alumni becoming more active? It is a good networking opportunity to meet other TBPI members, many of them engineers but several in other fields such as law, medicine, and education. Alumni also want to work with our collegiate chapters and have a positive impact on their development.

More than 150 alumni have expressed interest to be involved, whether in social and networking events, professional development, or volunteering for MindSET, our K-12 math and science initiative. Others have indicated their desire to support the local collegiate chapters.

This fall, many collegiate chapter officers will receive an email from TBPI Headquarters with the names and email addresses of alumni in the area who have expressed such interest. Please contact the alumni listed to discover how they might like to support your chapter. Invite them to attend initiations, as the last initiation they attended might have been their own many years ago.

Perhaps they would be interested in serving as an advisor to your chapter or speaking to the student members about their work, research, or life experience. Alumni may also appreciate the opportunity to participate in tutoring, MindSET activities, or other chapter projects on campus. Please welcome and network with them. You never know what assistance, experience, or resource they may have to offer.

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Tau Beta Pi alumni gather in Sioux Falls, South Dakota, on July 19, 2012.

ISSUE AVAILABLE AT WWW.TBP.ORG

Activating Alumni

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TBPI Headquarters (HQ) is always actively searching for information on our “lost alumni” from sources such as networking sites and news articles. For a different project, chapters could work together to locate their own “lost alumni.”

Some institution’s have alumni associations that can help gather addresses. The number of bad addresses for some chapters is staggering. To see how many alumni from your chapter have bad addresses, log into the online reporting system, and select “Utilities” and then “Chapter Statistics.” If you are interested in participating in this project, contact HQ.

Keep In Touch

It is important to keep TBPI up-to-date with your contact information after graduation, so that HQ can send you updates on the Association and alumni activities. Send address and email changes to addresschange@tbp.org.

If an alumnus chapter does not exist in the area, start one. If the chapter is



Executive Director Curt Gomulinski and Vice President, Solange Dao, (back row) with TBPI alumni in Orlando FL.

inactive, restart it. Headquarters can help with the process; details are also on the alumni website.

It takes many steps to gather steam and reap the benefits of alumni involvement. This is just the beginning. Until then, continue to collaborate with alumni in the area and stay involved after graduation. Together we can do great things!

Find the alumnus chapter nearest you at www.tbp.org/alumni/chapters.cfm and join.

Tricia E. Gomulinski, South Dakota Alpha 1998, is a former TBPI District Director (2000-2012) in Colorado, former corresponding secretary, and chapter president at South Dakota Alpha (1997-1998). Now in Knoxville, TN, she was recently elected a Director for the TBPI Great Smoky Mountains Alumnus Chapter and is supporting the Association’s push for activating alumni. You may contact her at teg@tbp.org.

2012 Outstanding Advisor

Dr. Abigail M. Richards

Chief advisor to the Montana Alpha Chapter of Tau Beta Pi at Montana State University, Dr. Abigail (Abbie) M. Richards, (*Washington Beta '99*) assistant professor and biological engineering program coordinator at MSU, is the 2012 Tau Beta Pi Outstanding Advisor.

She will be honored on September 29, 2012, at the 107th annual Convention in Lexington, Kentucky. Tau Beta Pi President Dr. Larry A. Simonson, P.E., will present \$1,000 and a commemorative plaque to Dr. Richards. Another \$1,000 grant will be presented to the Montana State University College of Engineering’s discretionary fund.

The chapter’s nomination stated: “Dr. Richards deserves the outstanding advisor award because



she goes above and beyond in every facet of her life. In addition to inspiring students to attain high academic standards, she has spent endless hours coordinating with the

college of engineering to establish the importance of our engineering society. She has maintained this significant interface, and Tau Beta Pi has become an extension of the college itself. She has done an excellent job fostering leadership, and filling an advisory team that is likewise supportive of the Association and its mission.”

During her second year as chief advisor, the *MT Alpha* chapter received the 2009-10 R.H. Nagel Most Improved Chapter Award. Nearly 150 new members have been initiated during the previous two academic semesters. Dr. Richards has been instrumental in bringing stability to the chapter leadership. [Read the full press release](#)

2012 Annual Convention

The **2012 Tau Beta Pi Convention** will be hosted by the Kentucky Alpha Chapter at the University of Kentucky.

This year's Convention will take place at the Hyatt Regency Lexington, in Kentucky, from September 27 to 29.

The TBPI Convention serves as the supreme governing body, conducting the business of the Association. Delegates will be present from the nearly all of the 238 collegiate chapters across the country.

This is a great opportunity to meet and socialize with other engineering leaders. Chapter representatives are also provided with training and brainstorming sessions from the award-winning Engineering Futures program to the Interactive Chapter Exchange (ICE) sessions.

A corporate and graduate recruiting fair kicks-off the Convention on Thursday at the adjoining Lexington Convention Center with the opportunity for students to meet with representatives regarding employment opportunities and even interview on-site.

We encourage members to take full advantage of Convention offerings to meet with TBPI National Officials, attend special sessions, and network.

On the final day of Convention, members will have lunch on the campus of the University of Kentucky and will be given tours of the campus with a special focus on the college of engineering.

A model initiation will take place and conclude the chapter development offerings. If you are planning to attend this year's Convention, please be sure that your travel plans have been submitted. The deadline is August 26.

Convention materials and committee assignments will be distributed electronically this year in early September. Please contact TBPI Headquarters with any questions or concerns.



2012 McDonald Mentor

Dr. Derrick K. Rollins

Atireless advisor, Dr. Derrick K. Rollins, *Iowa Alpha '79*, is professor of chemical and biological engineering and professor-in-charge of community based recruitment and transition at Iowa State University.



For his outstanding success in mentoring engineering students with a constant drive and motivation to help them succeed academically, professionally, and socially, Dr. Rollins has been chosen as the **2012 Tau Beta Pi-McDonald Mentor**.

Joining ISU in 1990, his focus has been on bridging the gap between chemical engineering statistics to emphasize statistical methods of quality control of practicing engineers.

As an advisor, the focus of his work has been to encourage and empower women, minorities, and youth from disadvantaged groups to pursue and succeed in careers related to engineering and science.

The TBPI chapter concluded their nomination with, "We believe that Dr. Rollins' leadership and commitment to assisting minority youth to pursue the study of science and engineering, his counseling and mentoring of engineering students both academically and personally, and his caring and unselfish devotion to helping students, friends, and associates makes him an outstanding candidate for this award."

Chapter Recognition Awards

The Tau Beta Pi Executive Council established the District Program Chapter Recognition Awards in 2010 to encourage growth and development by recognizing TBPI chapters at the District level that are implementing successful projects relating to the ICE Growth Cycle in order to impact leadership, membership, projects, or image.

Each fiscal year TBPI districts are given \$1,000 to award to worthy chapter projects that will receive a \$500 chapter recognition award.

The New Jersey Beta Chapter at Rutgers University won the 2012 chapter performance award for District 2.

Their chapter formed an honors council with the help of the Engineering Governing Council—the student governing body for the Rutgers School of Engineering.

This council consists of the student chapters of all honor societies and students in the honors program. The purpose of the council is to provide a sense of community and to present a unified voice among all honor societies. This pool of 394 students, represents the top students from the Rutgers School of Engineering.

The chapter President of NJ B chairs this council with the assistance of a program development specialist from the school of engineering, who advises the council. Other council members include the presidents of all other honor societies and the president of the engineering governing council.

The honors council has a broad range of goals to benefit all honor students in Tau Beta Pi and all other engineering honor societies. The ultimate goal of this council is to add value to the membership in the honor society by providing valuable experiences to the most qualified engineering students.

So far, the honors council has formed its first ever industry mentorship program to bridge the gap between academia and industry. There are currently 26 higher-level managers on board mentoring students from Tau Beta Pi, other engineering honor societies, and the honors program.

The mentor and mentee meet approximately every two weeks and discuss a broad range of topics such as creating an elevator pitch, having a top-notch résumé, valuable personal and phone interviewing skills, useful networking techniques, discussions on graduate school versus industry, among other hands-on activities such as giving students a tour of a company's facilities.

The honors council has received extremely positive feedback

and hopes to expand it in the coming years. Interest in joining TBPI and other honor societies has already increased during the first iteration of this program.

The honors council also wishes to create a stronger sense of community amongst all honor societies. Each of the societies holds an induction ceremony once or twice each year to recognize academically high achieving engineering students. Starting this year, we hope to integrate the induction processes for the honor societies by having one traditional induction ceremony followed by a combined post-induction banquet with a key-note speaker, which will be held annually in the spring semester. Participants of the combined ceremony will include inductees, honor society members, alumni, faculty, staff, as well as the industry mentors.

Send questions and comments to Parth Oza (NJ B 2012), Vice President of the NJ B Chapter of TBPI and president of the engineering governing council at parthoza3@gmail.com. More information about the Rutgers School of Engineering Honors Council can be found at <http://egc.rutgers.edu/ruhonorscouncil>.



Rutgers Engineering Governing Council
with Parth Oza center (red tie).

\$\$ Benefit for Members

Members may be eligible for an additional discount off their automobile insurance.

GEICO®

This special member discount is eight percent in most states and is available to qualified members in 45 states and the District of Columbia. In addition, GEICO offers many other money-saving discounts and a choice of convenient payment plans, 24-hour access for sales, service, and claims, and a nationwide network of claims adjusters.

Call 800/368-2734 to see what savings your membership could bring. If you currently have a GEICO policy, identify yourself as a Tau Bate to see if you are eligible for the member discount or go to www.geico.com for a free rate quote.

2012 Tau Beta Pi Laureates



Carl J. Kirpes, Iowa Alpha '12

An Iowa State University graduate in mechanical and industrial engineering cited for his diverse achievements.



Jason D. Metzger, Maryland Gamma '12

An aerospace engineering graduate of The United States Naval Academy, cited for his achievements in the arts.



Steven D. Prendergast, Indiana Gamma '12

Cited for his diverse achievements, he graduated from the University of Notre Dame in 2012 with a degree in aerospace engineering.



Steven Limpert, Arizona Beta '12

A graduate of Arizona State University with a degree in electrical engineering, cited for his achievements in the arts.



Kyle E. Zobeck, Indiana Delta '12

Cited for his achievements in athletics, he is majoring in mechanical engineering at Valparaiso University.

[Read the press release](#) for full biographies of the 2012 TBI Laureates

Electronic Catalog Card Reporting System: How-to

Beginning with the fall 2012 reporting cycle, physical catalog cards have been eliminated. Instead, each elected candidate will be required to go to the Tau Beta Pi website and fill in his/her catalog card information. Systems will be in place to allow the chapter reporting officers to monitor the responses and notify candidates to fulfill their requirement.

Another important change is that the middle name is now in a separate field; previously, the first name and middle name were in the same field.

Here are some other important changes to take notice of:

1. The email of all eligible candidates is required at the time the report of election is submitted. This is necessary to notify the elected

candidates of the catalog card requirement.

2. The eligibility spreadsheet has been modified to capture the email address.

3. The catalog card spreadsheet has been eliminated as it will no longer serve the purpose of providing member information without a significantly complicated and confusing spreadsheet.

4. Elected candidates are sent an email with a link to submit their catalog card information. The link is keyed to make it unique to them. The link is validated and most tampering will be trapped.

5. If an elected candidate does not have an email, the chapter reporting officers can enter the catalog card information as can Headquarters.

6. Headquarters, and **only HQ**, can mark a card as submitted to allow the reporting process to continue. This is an exception and requires human intervention.

7. More information is captured with the electronic catalog card than the paper card. Most information is required, some is optional. Edits are in place to validate the required fields.

Here are the basic steps for completing electronic catalog cards and submitting a completed election report.

The report of eligibility, where the names of the eligible candidates are entered, now includes a field for middle name and email address.

Catalog Card for New Tau Beta Pi Member Your University (TN O)

Please use your full name (No Nicknames).

Title:	First:	Middle:	Last:	Trailer: Jr, Sr, II, PhD, etc.
<input type="text"/>	<input type="text" value="Raymond"/>	<input type="text" value="H"/>	<input type="text" value="Thompson"/>	<input type="text"/>

Preferred Name: Gender: Male Female Birthdate (mm/dd/yy):

Presently studying for a degree, expected to be obtained in 2013

Elected to Tau Beta Pi as Section 2 (Undergraduate), initiation April 24, 2012.

Permanent Address <small>An address that will not change in the next year</small>	Line 1 <input type="text" value="508 Dougherty UT"/>	Line 2 <input type="text" value="1512 Middle Drive"/>
	City <input type="text" value="Knoxville"/>	State <input type="text" value="TN - Tennessee"/>
	Zip <input type="text" value="37996"/>	
	Foreign City <input type="text" value="Foreign City"/>	Country <input type="text"/>
	Email <input type="text" value="tbp@tbp.org"/>	Alternate <input type="text" value="Alternate Email Address"/>
	Phone <input type="text" value="865-546-4578"/>	

Current Address <small>Where you currently receive personal mail</small>	Line 1 <input type="text" value="PO Box 2697"/>	Line 2 <input type="text" value="Current Address Line 2"/>
	City <input type="text" value="Knoxville"/>	State <input type="text" value="TN - Tennessee"/>
	Zip <input type="text" value="37901-2697"/>	
	Email <input type="text" value="tbp@tbp.org"/>	Phone <input type="text" value="865-546-4578"/>

Gender must be provided, date of birth (DOB) cannot be left blank and select the type of degree from the list.



After completing the report of election, chapter officers have access to a new option, using the Catalog Cards button from the election screen, which displays those candidates that have been elected and accepted election. Those eligible candidates that were not elected or did not accept election will not appear on this screen.

Each name on the E-Card member selection screen is a hyperlink that will allow a chapter reporting officer to enter/view/edit the actual catalog card for the individual. The section under which they were elected and the catalog card status are displayed; cards that have been completed will show a status of "completed."

The chapter reporting officers control when emails are sent to newly elected initiates. They can also enter a custom message to be included with the email. When sending emails, only those elected candidates that have **NOT** completed the catalog card will receive the email. These reminder emails can be sent as often as needed. **There is NO automatic process to send the emails** and they **MUST** be done by the chapter reporting officers.

When the elected candidate receives the email, a link in the email will allow them access to enter their information. The link is to the main TBII website, not the chapter reporting website. All the menus are active and provide the elected member a chance to view the website.

There are different electronic catalog cards (screens) based on the section (2-6) of the candidate. When filling out the electronic card, errors due to missing or incorrect data will prompt the fields to be highlighted with red boxes. Additionally, a description of the error is provided on the bottom of the page.

Once the information has been entered, the candidate will receive an acknowledgement screen. An attempt to use a link for a catalog card that has been completed will not allow the card to be updated again. If the catalog card needs to be revised, HQ must be contacted to enable the changes.

When an electronic catalog card has been completed, the status of the elected candidate will change on the E-Card page. The chapter election report **CANNOT** be submitted until all the catalog cards have been completed. HQ has the authority to forcefully mark an elected candidate as having submitted their catalog card and this capability is **ONLY** available through HQ.

Hopefully, the move from paper to electronic catalog cards will improve the reporting process for the TBII chapter officers and the candidates. Additionally, HQ will encounter fewer issues when transferring information from a 3x5' index card, which will improve the accuracy of the TBII membership database. Finally, it is important that TBII captures more relevant information for future communications with its members.

Raymond (Ray) Thompson is the computer systems administrator at TBII HQ, and has worked to implement the electronic catalog system. During his tenure, which started in late 2001, he has done much of the work to improve the data systems and record keeping at TBII. Ray also produces the photographs at the annual conventions.

Candidate Name	Section	Status
Betty A Harless	Undergraduate (Sec. 2)	
Raymond H Thompson	Undergraduate (Sec. 2)	

Message to include in the email message
250 maximum size.

Should you have any questions or comments, please contact the [Support Team](#).
Development Mode (Mimic) [catalogcardpart1.cfm 04/24/2012 04:17PM 9,977]

TBPI-District Directors 2012

Christopher Benson, UT A 2008

TAU BETA PI WELCOMES **Christopher F. Benson**, *Utah Alpha '08*, a new Director in District 12. Chris serves as an advisor and is a former president of the Utah Alpha Chapter of TBPI.

Chris resides in Salt Lake City, UT, with his wife, Courtney, and has worked the past four years as an engineer at the ETC Group doing energy efficiency consulting and control sequence design for some of the largest building automation systems in the world.

Chris graduated from the University of Utah with a degree in electrical engineering. He looks forward to working with the TBPI chapters at UT A, UT B, UT G, ID B, and ID G.



Neal Bussett, CA E 2009

TAU BETA PI WELCOMES **Neal T. Bussett**, *California Xi '09*, a new Director in District 16. He is a systems engineer at Northrop Grumman. Neal is an advisor to the California Xi Chapter of TBPI and a former vice president and corresponding secretary.

His undergraduate degree in electrical engineering was earned at San Diego State University. He currently lives in Vista, California.

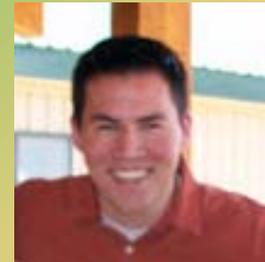
Neal is excited to interact with TBPI student members during chapter visits, at district conferences, and at the annual Convention. His initial coverage will be mostly southern California, including the CA X, CA Y, CA AE, and CA T chapters. His fellow D16 Directors are eager to work with him.



George Miyata, WA Δ 2010

TAU BETA PI WELCOMES **George K. Miyata**, *Washington Delta '10*, a new Director in District 12. Currently, he works for Northrop Grumman as a systems engineer. While at Gonzaga University, George served as treasurer and president of the Washington Delta Chapter of TBPI. He is a former advisor to the Colorado Beta Chapter of TBPI at the University of Colorado at Boulder.

George is completing his master's degree in aerospace engineering this summer and recently moved to Colorado Springs, CO. His primary focus will be to support the TBPI chapters at CO A, CO E, CO Z, MT A, and MT B. He will be attending his fourth consecutive TBPI Convention this year in Lexington, Kentucky.



This summer, Tau Beta Pi added a new travel benefit for members and their families. Through a partnership with Local Hospitality, Inc., members now have access to a worldwide inventory of hotels at exclusive discounted rates. Take advantage of average savings of 10-20 percent anytime at any hotel.

Get Personal and Follow Up!

INITIATE JUST ONE MORE ELECTEE PER CHAPTER!

This has been the challenge given to the chapters for the past several years. While this year there were fewer chapters meeting this goal (110 versus 120), the Association exceeded the “initiate one more” goal with 424 new names added to our membership rolls. The 8,784 undergraduates initiated is a number not seen since the mid-90’s! I commend those chapters excelling at the most important function of a chapter—marking in a fitting manner those students deemed worthy of becoming members of Tau Beta Pi.

Individual chapter results were good. Sixteen chapters (same as last year) initiated at least 25 additional students. Montana Alpha topped the list initiating an additional 84, easily edging Virginia Alpha (66). Forty-six chapters recorded a year-to-year increase of at least 50%. Twenty-one (down from 35) of those at least doubled the number of initiates. A special thanks goes to the 8 (down from 11) chapters initiating ALL candidates! On the flip side, 109 (down from 110) chapters initiated fewer students.

Ninety percent of chapters (195 up from 183 last year) use email as the preferred way to contact eligible candidates. Although email is a convenient means of communication, it has its drawbacks. Emails aren’t read, bulk emails are directed to the junk folder, and full mailboxes cause bounced mail—you’ve seen it happen. Do you follow up to make sure the email went through? If it didn’t, what did you do next? For most chapters the answer to that question was—nothing. This is an area where some extra effort would go a long way.

More chapters (81 or 38%) reported using a personal touch—and not just the small or medium-sized chapters. Iowa Alpha (Iowa State), Indiana Alpha (Purdue), and California Alpha (Berkeley) reported using personal invitations. With the historically high number of students not accepting our invitation, maybe it’s time to get personal.

Do you know why students are uninterested? Have you asked them? Reporting indicates *lack of awareness* continues as the most likely reason. A personal invitation would let the eligible students know we really want them to join us. It would also provide an opportunity to answer their questions and perhaps resolve any misconceptions they may have.

How did you learn about TBPI? Did you see a poster? Were you sent a brochure or invitation? Did someone tell you? You can help! Especially if your chapter is one of our larger ones. Ask to see who is on the list of candidates, and invite those you know to your chapter’s get-acquainted meeting. Do the same for those you elect. Learn who is on the list, and offer to contact those whom you know. Invite them to join. TBPI Headquarters has sample letters on the website and an invitation for chapters to use. Or just express a simple “I’d like you to join us.”

While 70% of scholastically eligible students were rejected and not elected, nearly all of them (95%) were rejected for **lack of interest**. On top of that, an overwhelming 84% of those were noted as not responding to the chapter’s invitation! These are staggering numbers, and there appears to be no end in sight. There may be more students, however, who would join our ranks—but they must know they’re invited. So, get personal, and follow up!

How well do the students, faculty, and staff in your engineering school know about TBPI? Chapters reported: Very well 20% (up from 17%), Somewhat 67% (up from 65%), and Slightly 13% (down from 18%). Awareness in the engineering schools remains in the medium category. The numbers are moving in the right direction, but there is still considerable room for improvement. For Tau Beta Pi to realize its vision to *be universally recognized as the premier honor society*, we must continue to increase the Very Well number!

Achieving our goal of attracting the best and brightest engineering students as members requires continuous improvement. Publicity works! Posters or brochures in prominent locations are effective in publicizing your chapter. More than half of [the chapters used these materials](#) last year, and the reaction to them continues to be overwhelmingly positive. Recognizing new members in the school newspaper provides an excellent means of letting others know the high standards for which TBPI stands.

Is TBPI recognized on your campus as the premier honor society? If you’re in the very-well-known group, well done! I encourage your chapter to keep up the good work. If not, why not? If each member reached out to one or two friends who are eligible but not yet initiated, we would easily exceed our goal. Get personal and have a successful fall!

—R.E.H.

The Best People Engineering Job Board is a resource for Tau Beta Pi members to search nearly 1,700 engineering jobs, post résumés, and look for internship opportunities. Two newly highlighted job postings can be found daily on the TBPI website home page.



Current positions are available with Boeing, ITT, Near Space Corp., Raytheon, and more!

Family Engineering

Students at the Michigan Beta Chapter of Tau Beta Pi are some of the first in the nation to be trained in conducting *Family Engineering* activities that engage elementary-aged children and their parents in learning about engineering through teamwork, creative problem solving, and fun.

Developed by Michigan Technological University, the Foundation for Family Science & Engineering, and the American Society for Engineering Education with a grant from the National Science Foundation, Family Engineering is growing into a nationwide initiative.

Family Engineering: An Activity & Event Planning Guide is prompting events across the country at schools, libraries, museums, and community centers. TBII students are perfect role models to excite young learners about engineering.

Twenty members of the chapter turned out on a snowy Monday evening (Feb. 27) to design rockets as part of the Blast-Off activity. Participating students designed and tested their custom-built Hot Chocolate Machine using paper cups and a push pin, plus warm water and milk/chocolate powder.

The TBII students also presented a Family Engineering Night at Barkell Elementary in Hancock, MI, on March 22.

About the author: Joan S. Chadde has been the Education Program Coordinator (Western U.P) for the Center for Science & Environmental Outreach at Michigan Tech since 1995. She is also the Education Program Coordinator for the Western U.P. Center for Science, Mathematics, and Environmental Education.

She can be reached at:

Email: jchadde@mtu.edu

For more information on Family Engineering, visit the website

<http://www.familyengineering.org/>



Engineering students from Michigan Tech “team up” to learn how to present one of the fun activities found in the new **Family Engineering: An Activity & Event Planning Guide**.

Fellows & Scholars: 2012-13

Tau Beta Pi awarded 40 graduate fellowships to our 79th group of Fellows. The press release is available online with biographical information on each of this year's Fellows.

Applications are welcomed from all members of Tau Beta Pi, students and alumni, that are planning graduate study. Download informational files from www.tbp.org after November 1. The filing deadline for fellowship applications is January 31.

There were also 200 TBII Scholars selected and named to receive a total of \$392,000 in scholarship awards as part of the 2012 Scholarship Program. Only junior members of TBII who will be full-time, on-campus seniors are eligible to apply—online at www.tbp.org after November 1. There are a few one-semester awards that will be given. **The new deadline to submit scholarship applications is June 1.**

Association & Alumni News

Alumnus Spotlight

Col. Alfred A. Pantano Jr., *Virginia Delta '87*, recently took command of the U.S. Army Corps of Engineers in northern Afghanistan in a military ceremony. A graduate of the Virginia Military Institute, Col. Pantano was previously commander of the Jacksonville (FL) district.

Dr. Mildred S. Dresselhaus, *South Carolina Gamma '51*, was one of seven scientists to be named winner of the 2012 Kavli Prizes. Dr. Dresselhaus won the nanoscience prize for her research on carbon nanotubes. She is currently a professor at MIT.

Effective September 1, 2012, Dr. Brett A. Peters, *Arkansas Alpha '87*, will become the dean of the College of Engineering & Applied Science at the University of Wisconsin-Milwaukee. In his current position at Texas A&M University, Dr. Peters is a professor and former department head.

New Mexico State University recently named Dr. Satish J. Ranade, *New Mexico Alpha '76*, head of the electrical and computer engineering department. Dr. Ranade has been a professor of engineering at NMSU for 31 years.

PuzzleCast was recognized by *Popular Science* with a 2012 Invention Award. Amanda L. Harton, *Virginia Alpha '12*, is one of the four co-creators of PuzzleCast which produces a modular cast that consists of six pieces that can be removed independently, enabling patients to move more parts sooner.

Student Spotlight

Colorado School of Mines graduate, Jordan S. Larsen, *Colorado Alpha '12*, has been named as a First Team Academic All-American by Capital One/CoSIDA. Larsen is a two-time Academic All-American, civil engineering graduate, and three-time First Team Academic All-American as selected by the National Wrestling Coaches Association.

Mallory A. Vogel, *DC Beta '12*, has been selected as the Div. III Scholar-Athlete of the Year by the Intercollegiate Women's Lacrosse Coaches Association. Vogel graduated in May with a degree in biomedical engineering at the Catholic University of America. She will also complete her master's degree in 2012.

Worcester Polytechnic Institute field hockey player, Celena H. Dopart, *Massachusetts Alpha '12*, was chosen as the Capital One NCAA Div. III Academic All-America of the Year for the Women's At-Large division. Dopart earned a degree in aerospace engineering and will attend MIT for graduate school.



USA Science & Engineering Festival

Tau Beta Pi hosted a booth (#612 of more than 3,000) April 27-29 at the second USA Science & Engineering Festival that took place at the Washington E. Convention Center.

An adaptation of the MindSET bridge module was presented to festival participants. During the three-day event, more than 1,250 attendees stopped by the TBPI booth where they were greeted by volunteers from the Maryland Beta chapter at the University of Maryland, the DC Gamma chapter at George Washington University, the DC Alpha chapter at Howard University, and several other TBPI alumni. A total of 21 volunteers interacted and led bridge building activities that demonstrated important K-12 math and science concepts during the Expo.

After building a bridge, participants were able to test the structure and determine the weight that would cause the bridge to collapse. Several successful bridges withstood more than 20-pounds of weight being evenly distributed across the bridge.

Several inquiries were made regarding the Association and the K-12 MindSET program. Teachers and parents received brochures and were invited to sign up requesting further details on participation with MindSET. The K-12 students received instruction, support, bookmarks, and TBPI insignia pens to recognize their involvement.

In total, 17,500 craft sticks were distributed as part of the hands-on bridge building activity. Almost 15,000 brass fasteners were used in the construction of the bridges. Several enthusiastic cheers could be heard as bridges survived unexpected amounts of weight. A good time and learning experience was enjoyed by all. For more information, visit www.usasciencefestival.org.



NEW TBPI Apparel Designs



integrity and excellence
 fellowship service character
Tau Beta Pi
 innovating inspiring fun challenging
 creativity friends community career opportunities
The Engineering Honor Society



Order Yours Today!

GIG Grant Dollars

YOUR CHAPTER could receive up to \$750 to conduct a project involving civic affairs and public policy issues. The money is available under Tau Beta Pi's Greater Interest in Government Program, to involve students in their communities and the political process. Send your chapter's proposal to Headquarters. Application guidelines are on page C-30 of the *President's Book* on the website.

Proposals will be considered on a first-come, first-serve basis. There is no deadline for proposals.

[See *Chapter Projects* at www.tbp.org.]

Student Assistance

The Tau Beta Pi Student Assistance Fund was endowed in 1992 through the interest and generosity of C.C. Young, *Illinois Alpha '24*.

Its purpose is to make funds available to student members of his and other chapters who would otherwise be without sufficient financial resources to remain in college.

Repayment is not required, no interest is charged, and grantees are requested to help others in need should they become financially secure.

Interested students should email Executive Director Curt Gomulinski (tbp@tbp.org) at HQ in Knoxville, TN.

MindSET Grants

YOUR CHAPTER may receive up to \$1,000 to conduct a project helping to educate local K-12 students in the STEM disciplines.

The money is available to chapters from Tau Beta Pi's MindSET Program, to involve young students in their communities and develop engineering modules that stress the importance of math and science.

Send your chapter's proposal to Headquarters. Application guidelines are on page C-31 of the *President's Book* on the website.

More than 12 chapters have received grants and 25 chapters are hosting MindSET sessions. There is no deadline for applications.

[[Visit MindSET website](#)]

Important Deadlines

- February 1 Fellowship Application
- February 1 Distinguished Alum Nom.
- April 1 Outstanding Advisor, McDonald Mentor, and Laureate Nominations
- June 1 Scholarship Application
- June 1 Convention Bid for 2016
- April 1 Executive Council slate Nominations

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Convention Recruiting Fair



Photo Credit: Jeff Rogers

Whether you are looking for your first job, networking, or considering your graduate school options, Tau Beta Pi's Convention Recruiting Fair has exciting opportunities for you. Companies looking to hire the best and brightest engineers will be on hand, along with top graduate schools from all around the country.

Be sure to bring at least six copies of your résumé, and submit your members' résumés (to resumes@tbp.org) for inclusion in the DVD given to recruiters by September 7. Formatting details [here](#)

Scheduled recruiters include: Aerotek, EMC, Ceradyne, Lexmark, MIT Lincoln Laboratory, National Oilwell Varco, Sandia National Laboratories, White Stratus, and more than ten graduate schools. Arrive early on Thursday, September 27, at the Lexington Center. To see the full list of attendees and to learn more about the Recruiting Fair, visit: tbp.org/Convention/Sponsors.