The California Lambda (UC, Davis) and Upsilon (CSUS) Chapters are pleased to host the 103rd annual Tau Beta Pi Convention on October 23-25, 2008. The members, led by Arrangements Chair Christine E. Holl, CA ’99, will enthusiastically welcome Tau Bates to Sacramento, home of California State University, Sacramento.

The state capital of the Gold Rush State and nearby mountains make the Sacramento area a popular tourist destination. Those who arrive by air will be greeted by hosting members at the Sacramento Airport (SMF). Transportation will be provided to the Hyatt Hotel, where all conventioneers will stay and business meetings, Engineering Futures and ICE sessions, and four meals will be held.

Reps from firms such as CH2M Hill, Eaton, EMC, General Dynamics, International Paper, Jacobs ESTS, L-3 Communications, Lyondell, Sandia Labs, and the U.S. Patent and Trademark Office, and graduate programs at Claremont, Columbia, Iowa State, Kansas, Lehigh, Michigan, Michigan Tech, Notre Dame, Purdue, and RPI will be at recruiting booths from 9 a.m. to 3 p.m. on Thursday, October 23. Be sure to bring copies of your résumé and email the chapter’s résumé book to HQ!

The model initiation for California Lambda and Upsilon will be held on campus, after which host students will lead tours through several engineering departments and other areas of interest.

The expenses of one student delegate per chapter and the on-site expenses of chapter advisors will be paid by the Association. Non-voting delegates and alumni are welcome, encouraged, and invited to attend at their own expense. However, either partial airfare for most or full expenses for a select few non-voting delegates will also be reimbursed.

Detailed information about the business of the Convention is on the following pages. Additional information is available on our website at www.tbp.org, and you may register online at www.tbp.org/tbpconv.org. Contact Headquarters by email at convention@tbp.org. Our phone number is 865/546-4578 and our fax number is 865/546-4579.

This special national Convention promises to provide exciting memories, new friendships, and a fitting beginning to Tau Beta Pi’s 124th year. Our hosts look forward to extending their hospitality. See you in California!
The main purpose of the annual meeting is to conduct Tau Beta Pi business. Delegates, who are often chapter presidents or officers, will begin their official duties on Thursday afternoon. They will oversee the Association’s fiscal and governmental policies, choose the major chapter award winners, prepare for District conferences, learn more about the Tau Beta Pi election and initiation process, receive leadership training, and plan future Conventions. They are assisted in their duties by the Executive Council, chapter advisors, and national officers, who serve as committee advisors.

The delegates are the legislative, executive, and judicial body of this primarily student-run organization. Each delegate arrives ready to participate and has already been assigned to one of the Convention committees. Each committee elects a student chair to conduct its internal affairs and represent the group on the Convention floor. Any Constitution or Bylaw changes brought forth from the committees are voted on by the Convention during the major business meetings.

This year six of seven standing committees will survey the Association, along with two ad hoc groups. The committees and their advisors are organized as follows.

Delegates from this committee will recommend acting on an invitation to host the 2011 Convention if one arrives in time. In accord with the Constitution, the Convention site may not be selected more than three years in advance. New Jersey Beta will host the 2009 meeting in New Brunswick.

The group will also brainstorm plans and activities for the Society’s 125th Anniversary Convention, to be hosted by Pennsylvania Alpha in October 2010 at Valley Forge.

Team members will prepare resolutions—statements of appreciation and mementos—for presentation to the Convention at the Saturday morning business meeting and the Saturday evening Initiation and Awards Banquet.

The principal assignment of this committee is to select the recipients of the R.C. Matthews Outstanding Chapter Award and the R.H. Nagel Most Improved Chapter Award for 2007-08. The team will select a single winner in each category and as many honorable mentions as are deserved. Winners will be announced at the Awards Banquet on Saturday.

Team members will hear appeals from two chapters to permit non-ABET/EAC-approved curricula to be considered as eligible curricula.
Convention Highlights

Award-Winning Engineering Futures
*Dr. A.M. Brenner and Facilitators*

Facilitators will introduce EF to delegates. Students will have the opportunity to explore ways to develop their own leadership skills to improve their chapters and to strengthen District ties while voting delegates conduct Convention business.

On Friday, non-voting delegates will be involved in Engineering Futures training sessions, designed to teach them practical solution-oriented leadership techniques such as motivation, planning, delegation, and team building. Voting delegates who complete their committee assignments should join the sessions in progress.

District Directors

Directors will be meeting with delegates daily to assist them with organizing their local chapter activities and planning District Spring conferences and other events.

Convention Extras

The Convention itself is organized to assist the delegates in their roles as chapter leaders. The opening orientation is a lesson in parliamentary procedure. Dr. John R. Luchini, Parliamentarian, will act as a role model for delegates as they observe *Robert’s Rules of Order* in action. Convention Chair Ronald M. Hickling will lead the major meetings throughout the eventful three days.

Officers may familiarize themselves with various attractive chapter and insignia items that will be available at the Headquarters display in the hotel lobby.

Saturday evening is traditionally the highlight of the Convention when the other annual Association awards will be presented. In addition to recognizing the R.C. Matthews Outstanding Chapter and the R.H. Nagel Most Improved Chapter, the 2008 Laureates, Distinguished Alumnus, National Outstanding Advisor, and McDonald Mentor will be introduced.

The 103rd Tau Beta Pi Convention could very well be the most enjoyable convention that you’ll ever attend. Please join us!

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2008 TBPI-McDonald Mentor

**Dr. Steven. M. Cramer, P.E.**

For his outstanding achievements in mentoring engineering students, **Dr. Steven M. Cramer**, P.E., Wisconsin Alpha ’79, is the 2008 Tau Beta Pi-McDonald Mentor.

Dr. Cramer is associate dean of academic affairs at the University of Wisconsin-Madison college of engineering and professor at the department of civil and environmental engineering there. He graduated from the college in 1979 with a B.S. in civil and environmental engineering. Moving to Colorado State University’s department of civil engineering, Dr. Cramer earned an M.S. in 1981 and his Ph.D. in 1984. He returned to Madison in 1984 as an assistant professor and has become an authority on the subject of wood structures and concrete materials.

Tributes have been paid to Dr. Cramer’s merits as a teacher, mentor, coach, and role model for students. He is actively involved in the campus chapter of ASCE and has been advisor to both the concrete-canoe and steel-bridge teams for more than 10 years. The canoe team won its fifth straight national title in 2007, the only school to have won the event more than twice in the 30-year history of the competition. His leadership has been praised for being available to help the students when needed and not micro-managing the teams. The success has created a positive *esprit de corps* among students, with an open culture and environment across the college of engineering. It has also boosted student interest in engineering and the department.

Dr. Cramer’s students rank his teaching, via student evaluations, as among the best in the department. His classes have a reputation for being technically demanding. His dean describes him as a gifted teacher who creates a culture of high expectations and high support to help all students succeed. He is a fellow of the campus teaching academy and has received the outstanding professor award from the ASCE student chapter nine times, including the last six consecutive semesters.

He has an active research program, with a reputation for publishing high-quality papers. Dr. Cramer’s portfolio includes funding from leading federal agencies and strong participation from the private sector. Through his research, he has mentored more than 60 students who have gone on to positions of leadership in practice and academia. His dedication to advising was highlighted recently by 10 students advised through research activity totaling more than $632,000 in funding.

Dr. Cramer has also taken part in diversity initiatives such as the school of education’s college for kids, the minority research apprentice program, and the graduate school’s summer undergraduate research experience. His contribution in different capacities at department, college, and institutional levels has included service on the university committee, a six-member executive committee of the faculty senate that addresses broad issues on campus.

Dr. Cramer has also made his mark off campus, returning with experience to help students and colleagues. This includes representing engineers on the U.S. Department of Commerce’s American lumber standard committee. A member of a National Academy of Science panel that reviews housing issues, he holds three U.S. patents for methods of measuring properties in woods.
2008 Chapter Survey—

“Initiating just one more electee per Chapter...”

CAN BE DONE . . .
. . . and 225 chapters did!

In fact, 22 chapters excelled by more than doubling the previous year’s class or initiating at least an additional 25 or more electees. These chapters are:

AR A CA Θ CA Σ CA AG FL A FL H IN A KY A MA Θ MI I MS A NM A NY Σ OH B OH Γ OR B PA I PA K PR A SC A WV B.

This can be accomplished without compromising our standard for exemplary character. For example, last fall 3,111 of the scholastically eligible students elected by chapters refused to join. A ten percent reduction in this number would accomplish our goal.

The overwhelming reason given for not joining was lack of interest. Why are they not interested? The results reported below would indicate a lack of awareness is the most likely reason. How did you learn about Tau Beta Pi? Did you see a poster? Were you sent a brochure or invitation? Did someone tell you?

How would you rate the awareness of TBP in your engineering school (data from previous two years)?

- High 15% (14, 15%)
- Medium 68% (66, 64%)
- Low 17% (20, 21%)

How would you rate the awareness of TBP in your community?

- High 4%
- Medium 32%
- Low 65%

Most chapter presidents place awareness in the engineering school squarely in the medium category. Awareness in the community, on the other hand, falls in the low category.

These ratings will not help us achieve our goal of attracting the best and brightest engineering students as members, and the trend seen on campus demonstrates little progress.

Publicity works! Placing posters or brochures in prominent locations is an effective way to publicize your chapter. More than half of the chapters reported using these materials last year, and the reaction to them continues to be overwhelmingly positive.

Two survey questions addressed how potential new members are notified of our desire to have them join us:

- How do you notify electees of our desire for them to join?
- How do you notify students of their scholastic eligibility?

How would you rate the awareness of TBP in your community?

- High 71%
- Medium 55%
- In person 27%
- Letter 17%
- Invitation 19%

How well is Tau Beta Pi recognized on your campus? If you’re in the top group, then good job! I encourage your chapter to keep up the good work. If not, why not? Maybe it’s time to jump in and lend a hand. If each chapter member reached out to one or two friends who are eligible but not yet members, we would easily reach our goal.

—Roger E. Hawks
Assistant Secretary-Treasurer

Great Benefit for You!

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

This special member discount is 8 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 Beta Pi member to see if you are eligible for the member discount.

Or go to www.geico.com for a free rate quote.

* GEICO insurance available only to U.S. residents except for residents of Massachusetts.
234 TBP Scholarships!
The Tau Beta Pi Association Scholarship Program for senior-year study during the 2009-10 academic year will close March 1, 2009, when applications must be in the hands of Director of Fellowships D. Stephen Pierre Jr., P.E., Alabama Power Company, P.O. Box 2247, Mobile, AL 36652-2247.

Depending on our trust earnings, 235 cash awards, each worth $2,000, will be given in our fantastic, expanding program. They will be made on the basis of high scholarship, strong recommendations, extracurricular activities, and financial need. Winners will be selected and notified in early April. Only junior members of TBP who will be full-time, on-campus seniors in 2009-10 are eligible to apply after November 1 online at www.tbp.org.

Educational Loan Fund
Since 1935, Tau Beta Pi has assisted student members with their financial needs while in school or with payment of their initiation fees through our Student Loan Fund. We are pleased to offer this service in amounts up to $2,500 per member.

Repayment is required after three years, and a simple interest rate of 6 percent is charged from the day the loan is received.

Interested students can obtain promissory notes and loan applications from their chapter presidents, the website, or directly from Secretary-Treasurer Jim Froula at the international Headquarters in Knoxville, TN.

Student Assistance Fund
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 write directly to Secretary-Treasurer Jim Froula at the international Headquarters in Knoxville, TN.

2008 National Outstanding Advisor
Dr. Richard B. Hayter, P.E.

R. RICHARD B. HAYTER, P.E., South Dakota Beta ’65, is the 2008 Tau Beta Pi National Outstanding Advisor. He is associate dean of engineering for external affairs at Kansas State University and Chief Advisor of Kansas Gamma.

Dr. Hayter has been an active member of Tau Beta Pi for more than 43 years. Initiated at South Dakota State University, where he received his B.S. in mechanical engineering in 1965, he went on to gain an M.S and a Ph.D. from Kansas State University in 1973 and 1975 respectively. He has also contributed to industry and government.

As associate dean of engineering, he coordinates outreach activities of the college, legislative affairs, international programs, and alumni and corporate relations. Dr. Hayter served as director of engineering extension during 1980-2002 and was a member of the engineering faculty from 1974-77.

He began as a Kansas Gamma Advisor in 1999, becoming Chief Advisor in 2001. Officers, local and national, pay tribute to his work in motivating and supporting students, and coordinating the needs of the chapter with the support of the college administration. Dr. Hayter's experience has made him an indispensable source of information at all levels of Tau Beta Pi. His institutional wisdom, practical advice, and probing questions have led to greater strength of the Association.

Dr. Hayter has provided stability, crucial for a chapter that changes officers every semester. One Kansas Gamma project is to whitewash and maintain the iconic set of “KS” letters on a hill overlooking the school. He has been praised for knowing everyone who can help the project, like the city parks department, local contractors, and even the fire chief who provides an engine to get water up the hill for whitewashing.

Despite a hectic schedule, Dr. Hayter attends District conventions, supporting other advisors. He also ensures that as many students as possible attend conventions, to which Kansas Gamma typically brings the largest group.

Dr. Hayter began his engineering career as a test engineer with Pratt & Whitney Aircraft. He served in the U.S. Air Force from 1966-70, when he came to Kansas State as a graduate fellow with the institute for environmental research. From 1977-80, he was executive vice president of Energy Management & Control Corporation, a consulting firm.

In addition to publishing 51 papers, 19 of which were peer reviewed, Dr. Hayter has lectured in 34 countries. He has received the American Society for Engineering Education-Dow Chemical outstanding faculty award.

He was named the Kansas Governor’s cabinet as director of the energy office. He also served as a city commissioner for Manhattan, KS, and mayor from 1987-91. A board member of the Boy Scout Coronado area council, Dr. Hayter serves on the Manhattan Regional Airport advisory board.
2008 TBP Laureates

Mitchell P. Braegelmann
MITCH BRAEGERMANN, North Dakota Beta '08, is a Tau Beta Pi Laureate for his diverse achievements. He is a chemical engineering graduate of the University of North Dakota and is working on his master’s there.

Mitch has volunteered for the past four winters with Holiday Magic for Marcus, using donated money to buy Christmas presents for children with serious illnesses. When a nearby town was hit by a tornado last spring, he worked with other students to help in the cleanup operation.

On the academic front, Mitch was inducted into TBP the first semester he was eligible and has maintained his grades ever since.

Austin D. Cooley
AUSTIN COOLEY, Florida Alpha '08, is a Tau Beta Pi Laureate for his diverse achievements. He is a computer engineering graduate of the University of Florida. Austin is noted for volunteering his time and effort as part of his passion for the arts and commitment to community service.

Music is a large part of his life. Austin received an award for performing a piano concerto with his high school’s symphony orchestra. He was also captain of the marching band.

Austin volunteered for Studio Percussion, a non-profit created to help people express themselves with music. He developed a piano studio there, becoming its teacher.

Soon after his initiation into TBP, the coordinator of the K-12 math and science Olympiad SECME, had to step down. With no prior experience, Austin stepped into the breech.

Eli Krahenbuhl
ELI KRAHENBUHL, Wyoming Alpha '09, is a Tau Beta Pi Laureate for his accomplishments in athletics. He is a mechanical engineering undergraduate at the University of Wyoming.

Eli takes part in the non-traditional collegiate sport of downhill mountain biking, a test of skills—like downhill skiing on a narrow dirt path with lots of obstacles.

He has been recognized by all the governing bodies of the sport and been ranked 11th out of 132 professional riders in the U.S. Eli has taken part in both national and international events and was third in Division One downhill.

He has a GPA of 4.00 and is praised for taking on what may be the toughest curriculum at his school and excelling, while other top athletes routinely neglect the academic side and take the softest curriculum available.

James G. Moxness II
JAMES MOXNESS II, Arizona Alpha '08, is a Tau Beta Pi Laureate for his accomplishments in the arts. He graduated with honors from University of Arizona with a B.S. in chemical engineering and a B.A. in art history.

James worked extensively at the university’s Museum of Art. He served on the collections committee, helping to bring about purchases of works ranging from Rembrandt and Durer to emerging American artists. He’s also interned there, researching antiquities and helping with exhibitions. This was furthered by a summer at an archaeological excavation in Italy, dealing with Roman and Etruscan artifacts.

James has volunteered with the Arizona Opera and also set up a Japanese archery club at his university, where he was TBP Chapter President.

James R. Vedvei
MELANIE VEDVEI, South Dakota Alpha '08, is a Tau Beta Pi Laureate for her achievements in athletics. She is an industrial engineering graduate at South Dakota School of Mines and Technology.

Melanie started on her high-school basketball team as an eighth grader. She moved on to the squad at SDSMT and was recently voted the 2008 LeRoy Walker champions of character award, considered one of the most prestigious accolades in the NAIA. Melanie holds most of the school’s records for women’s basketball and is all-time career steals leader for the NAIA. All this was despite collapsing with a season-ending knee injury during January.

At SDSMT, she made the dean’s list for seven out of seven semesters, was named to the leadership hall of fame in 2008, and served as Chapter Vice President.
All Chapters must file with the IRS

The IRS has instituted a new requirement for non-profit organizations that do not file an annual form 990. This change will affect all Tau Beta Pi chapters. Starting in 2008, chapters will be required to visit IRS.gov and submit this online-only Form 990-N no later than the 15th day of the fifth month after the close of the chapter’s fiscal year.

For example, if the fiscal year ends May 31, the e-postcard is due by October 15. Information about Form 990-N and IRS.gov are available on the Chapter website. Officers need to be aware of this new federal requirement.

This will be a required report for receiving a Secretary’s Commendation. Failure to submit this report will result in a chapter losing its tax-exempt status and could result in probation.

The e-postcard requires the following information:
- Organization’s legal name: The Tau Beta Pi Association, Inc., Hawaii Omega Chapter.
- Any other names your organization uses: None.
- Organization’s mailing address: Use Chapter mailing address.
- Organization’s website address (if applicable): Use Chapter website.
- Organization’s employer identification number (EIN): Use Chapter EIN (your chapter has one; see list at online system or call Headquarters).
- Name and address of a principal officer of your organization: Recommend Chief Chapter Advisor.
- Organization’s annual tax period: Fiscal year listed in chapter bylaws.
- A statement that your chapter’s annual gross receipts are $25,000 or less: If not, notify Headquarters immediately!

Remember to check with Headquarters!

Chapter officers are responsible for reporting their chapter activities to Headquarters. The notion of communicating with a mysterious and distant “Headquarters” might seem a little intimidating. Actually, HQ is a completely approachable and friendly organization—and a great source for help. Here are important pointers for starting the year right.

Stay Current
Check with all of your officers and make sure that their school mail and email addresses and phone numbers are up-to-date. Be sure the shipping address is correct also. Note any changes on the Officer Fall Address Report which is due October 31. Submit the report after you have made any necessary changes.

Deadlines Do Matter
Meeting deadlines will affect your chapter grade for a Secretary’s Commendation. TIP: Don’t wait until you’re cramming for finals to file your reports. Many chapters send their reports two weeks early, just to avoid the deadline crunch.

Keep Financial Records
Accurate financial reporting is important, not just for financial reasons. Because of tax laws, your chapter could lose its tax-exempt status if you fail to report certain income or other information as required by the IRS. Contact HQ if you have questions.

Request Extensions Early
Deadlines for reports can be extended, but only if you ask before the date arrives. TIP: HQ is strict on this point.

Need Help? Just Ask HQ!
Please call HQ for explanations of procedures, answers to questions, or anything else. Good communications with HQ is a key to having a successful chapter.

Remember to visit www.tbp.org
You must file all required reports online. Log on for information.
—Rebecca M. Davis
Collegiate Chapter Assistant

2009 Fellowships

Tau Beta Pi’s 76th annual program of graduate fellowships for study in the 2009-10 academic year will close filing January 31, 2009, when applications must be in the possession of Director of Fellowships D. Stephen Pierre Jr., P.E.

Up to 24 cash awards will be given, each worth $10,000, made on the promise of future development in engineering or related fields, and financial need. Winners will be selected by the Fellowship Board and notified in April.

All members of Tau Beta Pi are eligible to apply. Students and alumni may download informational pdf files from www.tbp.org. Applications will be accepted beginning Nov. 1, 2008.

2008 Chapter Anniversaries

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<th>100th</th>
<th>75th</th>
<th>50th</th>
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<tr>
<td>New York Gamma</td>
<td>June 12, 1908</td>
<td>Rensselaer Polytechnic Institute</td>
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<td>Virginia Beta</td>
<td>November 24, 1933</td>
<td>Virginia Polytechnic Inst. &amp; State Univ.</td>
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<td>Delaware Alpha</td>
<td>November 24, 1933</td>
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<td>Utah Alpha</td>
<td>December 8, 1933</td>
<td>University of Utah</td>
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<tr>
<td>South Carolina Beta</td>
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<td>University of South Carolina</td>
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<tr>
<td>Vermont Alpha</td>
<td>December 20, 1958</td>
<td>University of Vermont</td>
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GO WEST!

2008 Convention
Sacramento, CA October 23-25
Important Deadlines

- January 31  
  Fellowship Application
- March 1  
  Scholarship Application
- April 1  
  Nominations—  
  Distinguished Alumnus  
  Laureate  
  McDonald Mentor  
  Outstanding Advisor  
  Executive Council Slate
- June 1  
  GIG Project Proposal  
  Convention Bid for 2011 & 2012

Arrive Early for Recruiting Fair

Attending the 2008 Convention in California? Try to arrive early on the first day so you can spend more time at the Recruiting Fair. It’s Thursday, October 23, from 9 a.m. to 3 p.m.—just before the Convention begins.

A record number of companies, organizations, and schools (see partial list below) will be traveling from all over the country to recruit YOU!

Several graduate engineering programs and partner organizations such as GEICO, NCEES, and Kaplan AEC Education will also be on hand.

Email your résumé and your chapter’s résumé book arranged by curriculum to pat@tbp.org.

If you do not attend the Convention, be sure to include your information in your chapter’s résumé book.

A RECORD NUMBER OF RECRUITERS WILL BE THERE . . . AGAIN!

Including CH2M Hill • Eaton Corporation • EMC Corporation  
General Dynamics • INTECSEA • International Paper • Jacobs ESTS  
L-3 Communications • LyondellBasell • MIT Lincoln Lab • Raytheon  
Sandia National Laboratories • U.S. Patent & Trademark Office

See a complete list at www.tbp.org/pages/Convention/2008Convention