

**Subject: COLLEGE OF ENGINEERING UNDERGRADUATE NEWSLETTER
10/1/2009 FALL 2009**

Date: Wednesday, October 14, 2009 1:23 PM

From: Steven Smith <sws139@engr.psu.edu>

Conversation: COLLEGE OF ENGINEERING UNDERGRADUATE NEWSLETTER 10/1/2009
FALL 2009

**COLLEGE OF ENGINEERING UNDERGRADUATE NEWSLETTER 10/1/2009 FALL
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Headlines

ACADEMICS

1. Advising Tip of the Week: Have You Visited Penn State Learning?
2. Ending Date of KINES classes
3. Is Your Local Address Correct?
4. Major Night: Aerospace Engineering
5. Major Night: Architectural Engineering

COLLEGE NEWS

1. 2008-09 Co-op & Internship Student of the Year Awards

INTERNATIONAL/ABROAD

1. IAESTE General Meeting on Wednesday 10/7 @ 6 PM in 214 Hammond

FUNDING, SCHOLARSHIPS AND EMPLOYMENT OPPORTUNITIES

For up-to-date information about scholarships, their requirements and deadlines go to:
<http://www.engr.psu.edu/scholarships>

<<http://www.engr.psu.edu/scholarships>> eCareer contains a comprehensive list of
employment opportunities in industry, government and research, both in the United
States of America and abroad: <http://www.engr.psu.edu/coop/students/ecareer.aspx>

- <<http://www.engr.psu.edu/coop/students/ecareer.aspx>> **1.** Learn about
employment opportunities at Accenture
- 2.** Opportunities to work for the Navy, Warfare Centers, Carderock Division

COMING EVENTS

1. 2009 Invention 2 Venture Conference
2. ASCE Career Fair-Tuesday, October 13th
3. ASME General Meeting- Wednesday, October 7
4. Gaelen Entrepreneur Speaker Event #2 for Fall 2009 - Monday Oct. 10
5. Penn State Rube Goldberg Machine Contest
6. The Envisioneers host The Legend of Hammond Temple
7. Thom Brewster to present inaugural First Tuesday presentation, 6 October at 5:30pm in Reber 135
8. THON Nacho Lunch -- Sponsored by the American Society of Civil Engineers

REVIEW OF PREVIOUS ANNOUNCEMENTS

1. Academic Advising: Scheduling an Appointment with an Advisor
 2. Academic Progress
 3. Advising Tip of the Week: Exam Results
 4. College of Engineering's Policy Regarding Harassment
 5. H1N1 Policy
 6. Important Dates
 7. Kunkle Lounge Hours
 8. Major Nights
 9. Society of Automotive Engineers-Engineering Education Awards
 10. STS 297A Structures and Society-Open for Enrollment Spring 2010
 11. When does spring scheduling begin?
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ACADEMICS

1. **Advising Tip of the Week: Have You Visited Penn State Learning?:** Penn State Learning is a valuable resource available to all Penn State students. You can visit <http://pennstatelearning.psu.edu/> to find out about available tutoring in subjects like Math. You can also find on-line resources to help you improve your study skills like note taking and help you overcome test anxiety. Discover your learning style and learn how to improve your memory. Learn how to form a study group. Take advantage of these resources to become a better student. <http://pennstatelearning.psu.edu/>

2. **Ending Date of KINES classes:** Students who are planning to graduate in Spring 2010 and are planning to complete the GHA requirements by taking one of the sections of KINES 001 in Spring 2010 are urged to confirm the ending date of the course with the instructor before registering for the class. If the course includes an activity that is completed after the Spring 2010 semester ends, students who take such a course will be removed from the Spring 2010 graduation list. If the GHA credits for such a course are not needed to complete degree requirements, the lack of completion of the course will not affect graduation.

3. Is Your Local Address Correct?: Please make sure that you are able to receive important correspondence from the College of Engineering. If you have moved please update your local address through eLion (<https://elion.psu.edu/> <<https://elion.psu.edu/>>) <https://elion.psu.edu/>

4. Major Night: Aerospace Engineering: During the next two months, you can learn about different majors in the College of Engineering by attending Major Nights hosted by various departments. Each Major Night session will include student and faculty presentations and advice about a particular major. An upcoming Major Night features Aerospace Engineering. On Wednesday, October 7 you can learn more about Aerospace Engineering from 6:00-7:00pm in 220 Hammond. For a complete schedule of all Majors Nights, refer to the review of previous announcements in this week's posting of eNews.

5. Major Night: Architectural Engineering: An upcoming Major Night features Architectural Engineering. On Tuesday, October 6 you can learn more about Architectural Engineering from 6:30-7:30pm in 107 Engineering B. For a complete schedule of all Majors Nights, refer to the review of previous announcements in this week's posting of eNews.

COLLEGE NEWS

1. 2008-09 Co-op & Internship Student of the Year Awards: The Engineering Career Resources & Employer Relations office has recognized two Penn State engineering students with 2008-09 Student of the Year awards for outstanding achievement in co-op and internship positions.

Christopher Gladd, a senior majoring in computer science, received the Dr. James Slick Cooperative Education Student of the Year Award. Mr. Gladd worked at IBM, developing web-based prototypes to enhance user access to information and data.

Keegan McCoy, a senior majoring in electrical engineering, received the Anita M. Todd Internship Student of the Year Award. Mr. McCoy worked during the summer 2009 semester as a systems engineer at NASA's Goddard Space Flight Center in Greenbelt, MD, where he developed an optical test plan at the Integrated Science Instrument Module level for the James Webb Space Telescope's fine guidance sensor and tunable filter.

The Dr. James Slick Cooperative Education Student of the Year award and the Anita M. Todd Internship Student of the Year Award are each awarded annually to students who show high levels of personal motivation and talent in their short-term professional work assignments. Candidates are nominated by their co-op or internship supervisors. Award recipients are chosen by Penn State Engineering Alumni Society members and are each

provided with a \$1000 scholarship. Congratulations to the winners!

INTERNATIONAL/ABROAD

1. **IAESTE General Meeting on Wednesday 10/7 @ 6 PM in 214 Hammond:** IAESTE Penn State is a part of an international network that coordinates internships for students in technical fields. Since 1948, IAESTE's combination of practical training and cultural immersion has prepared students for the challenges of the global marketplace. An IAESTE Internship is a paid internship abroad. Positions are available in industry, research institutes and universities, consulting firms, labs, and other work environments. Most placements are for 8-12 weeks during the summer, but fall and longer-term placements are also available.

IAESTE will also be hosting several social events this semester such as international dinners and barbeques.

Come check us out next Wednesday, October 7th, at 6pm in 214 Hammond to find out how you can get an internship abroad! There will be free pizza provided!

www.iaesteunitedstates.org <<http://www.iaesteunitedstates.org/>> **Kevin Hom at iaeste@psu.edu** www.iaesteunitedstates.org <<http://www.iaesteunitedstates.org/>>

FUNDING, SCHOLARSHIPS AND EMPLOYMENT OPPORTUNITIES

1. **Learn about employment opportunities at Accenture:** Accenture is looking for talented graduates from Penn State University to join their consulting team. Come to the following events to learn more about all Accenture's career opportunities. Mark your calendar for these key dates!

Consulting Analyst Resume Deadline
October 1, 2009

Visit Career Services Website & Accenture Recruiting Website (instructions in Career Services posting)

Consulting Analyst 1st Round Interviews
October 19, 2009
Main Career Center

Consulting Analyst 2nd Round Interviews
October 22 & 23, 2009
Main Career Center

Apply Now:

To be considered for an interview, please submit your resume via Penn State's Career Services and Accenture's online recruiting system by October 1, 2009. Visit their website to learn more about consulting careers at Accenture. accenture.com/campus

2. Opportunities to work for the Navy, Warfare Centers, Carderock Division:

The Warfare Centers, Carderock Division is inviting Penn State Engineering and IST Students and Faculty to visit two facilities! Don't miss the chance to tour, talk to researchers and recruiters and learn about opportunities to work for the Navy as a civilian! There are only 13 spots available for students and 2 spots available for faculty, all available on a first come, first serve basis for each trip so, don't hesitate to RSVP by Tuesday Oct. 6.

--October 8, all-day undergraduate and graduate student tour of the Naval Surface Warfare Center Carderock Division, Philadelphia (NSWC-CD), Ship Systems Engineering Station (SSES)

--October 13, all-day undergraduate and graduate student tour of the Naval Surface Warfare Center Carderock Division, West Bethesda.

Qualified candidates may be invited by recruiters for an interview.

If you are interested in participating in these trips, please reply to Elaine Clark Hall at contractorhall@only.arl.psu.edu with the following information:

1. Which date interests you
2. Your resume

Thank you! We hope to see you there!

Transportation will be provided just bring a piece of U.S. ID (i.e. drivers license). Approximate departure time 6:30 AM return time 6:30 PM. **RSVP to Elaine Clark Hall: contractorhall@only.arl.psu.edu**

COMING EVENTS

1. **2009 Invention 2 Venture Conference:** Penn State will host a one-day conference on Saturday, October 24, on the basics of technology commercialization & entrepreneurship.

Date: Saturday, October 24 2009

Conference Time: 8:40 AM to 4:00 PM

(Registration begins at 8:00 AM)

Conference Location: Alumni Hall, HUB Robeson Center, University Park, PA 16802

Networking Reception: 5 PM to 7 PM at the Atherton Hotel

Cost: \$10 for Students, \$30 for Faculty/Staff/ Alumni, \$50 for Business Community & Others.

*Participant guide, breakfast and lunch are all included in the fee.

The workshop is intended for undergraduate and graduate students, Faculty/Staff as well as community members. Presentations will focus on technology entrepreneurship, opportunity assessment, venture capital, marketing, intellectual property, business plans, and related topics.

Gavin McIntyre (Co-Founder of Ecovative Design, Featured in Popular Science, CNN, Discovery, NYT, etc), Shabbir Dahod (CEO of TraceLink, Venture Partner with FirstMark Capital), Chris Rothe (IP Attorney, RatnerPrestia), Ujjwal Gupta (Co-Founder, Watermelon Express) and Pat McNamara (Serial Entrepreneur & Marketing Guru) are some of the confirmed speakers.

To learn more about this event and to register online, visit www.psu-i2v.com

<<http://www.psu-i2v.com/>> *One of our sponsors, PSU student startup Watermelon Express is offering standardized test preparation software to all participants free of cost. Participants can choose from GRE, GMAT, LSAT, MCAT or SAT when registering.

Khanjan Mehta: khanjan@engr.psu.edu www.psu-i2v.com <<http://www.psu-i2v.com/>>

2. ASCE Career Fair-Tuesday, October 13th: The Penn State American Society of Civil Engineers is hosting a career fair on October 13th at the Days Inn from 9:00am-4:00pm; there will be a lunch break from 12pm until 1pm. For those interested in meeting the employers prior to the fair, there will be a social networking "mixer" the previous night on October 12 from 6pm to 9pm.

Summary

What: ASCE Career Fair Mixer

When: October 12, 2009

Time: 6pm-9pm

Where: Days Inn

240 S Pugh St

State College, PA

What: ASCE Career Fair

When: October 13, 2009

Time: 9am-noon and 1pm-4pm

Where: Days Inn

240 S Pugh St

State College, PA

<http://www.engr.psu.edu/asce/career%20fair.html> **Andrew Menyo**
apm5087@psu.edu <http://www.engr.psu.edu/asce/career%20fair.html>

3. ASME General Meeting- Wednesday, October 7: The American Society of Mechanical Engineers will be having their second general meeting of the year on Wednesday, October 7 at 6 PM in 135 Reber. Come find out about the upcoming activities for the month: hayride, dodgeball tournament, and more! Food will be provided!! **Alyssa Dilsaver, aid5046@psu.edu**

4. Gaelen Entrepreneur Speaker Event #2 for Fall 2009 - Monday Oct. 10: Inviting all students interested in technology entrepreneurship! Mark your calendars for the Gaelen Entrepreneur Speaker Event #2 for Fall 2009

Paul Howes - President and CEO of Inotek Pharmaceuticals, Inc. will be speaking on the topic:

Innovating in Health Care with No Revenue! (From Big Pharma to the world of Venture-Funded Biotech)

When: Monday, October 12, 2009, 4:45pm
Where: Room 112, Forest Resources Building

Paul Howes joined Inotek Pharmaceuticals in September of 2008 as the Company's President & CEO and as a Director. Inotek Pharmaceuticals is a Boston-area biotechnology company that has developed new drugs for the treatment of glaucoma and elevated intra-ocular pressure, retinal diseases, and irritable bowel disease that are in the pre-clinical and clinical phases of testing.

Mr. Howes has over 20 years of commercial strategy, product development and sales and marketing experience in pharmaceuticals and medical devices, with a recent focus in the field of ophthalmology.

For more information: contact Liz Kisenwether (863-1531; exk13@psu.edu)

5. Penn State Rube Goldberg Machine Contest: It's not too early to start building your entry for the 2010 Penn State Rube Goldberg Machine Contest. This year's national challenge: design and build a machine that dispenses an appropriate amount of hand sanitizer into a hand in 20 or more steps.

The 2010 Penn State competition will be held on Feb. 27 and is open to any engineering-related club at any Penn State campus. The winning team will be eligible to represent Penn State at the National Rube Goldberg Machine Contest at Purdue University on Mar. 27.

Get all the details at www.engr.psu.edu/RubeGoldberg <<http://www.engr.psu.edu/RubeGoldberg>> or contact Jane Harris in the Engineering Dean's Office at jharris@engr.psu.edu or 814-863-2132 for more information. <http://www.engr.psu.edu/RubeGoldberg>

6. The Envisioneers host The Legend of Hammond Temple: The Envisioneers are hosting The Legend of Hammond Temple on Thursday, October 15. During this exciting game teams compete against each other by solving engineering problems and answering trivia questions about the Hammond building. The purpose of the event is to introduce first-year students to the Envisioneers but all students are welcome to attend. The location and time are yet to be determined. Please RSVP by October 12 to ebc130@psu.edu.

<http://www.envisioneers.engr.psu.edu/> **Ethan Chiang, ebc130@psu.edu** <http://www.envisioneers.engr.psu.edu/>

7. Thom Brewster to present inaugural First Tuesday presentation, 6 October at 5:30pm in Reber 135: The inaugural "First Tuesday" presentation will occur Tuesday, 6 October in Reber 135 at 5:30pm. First Tuesday is a monthly lecture series intended to build community among students with an interest in applying their engineering skills to pressing social needs. The inaugural First Tuesday speaker will be Thom Brewster, founder of CentrePeace. Pizza and soda will be provided. First Tuesday presentations are open to all. Contact Timothy Wheeler at epics@psu.edu

8. THON Nacho Lunch -- Sponsored by the American Society of Civil Engineers: The American Society of Civil Engineers will be organizing a nacho lunch to raise money to support the Penn State IFC/Panhellenic Dance Marathon (THON). The lunch will include a generous portion of tortilla chips, meat, salsa, cheese, and an assortment of other nacho toppings. This lunch is open to anyone wanting a good lunch for a great cause. For all potential and current civil engineering students, it will be also a great way to meet students already in the department who may be able to answer any of your questions regarding the major!

The THON Nacho Lunch will be occurring Friday, October 9, 2009 from 11:30 a.m. to 1:30 p.m. in the Kunkle Lounge, Hammond Bldg. For further information, check out the ASCE website: <http://www.engr.psu.edu/asce/>. Once again, ASCE would love for everyone to grab a plate of nachos For The Kids! <http://www.engr.psu.edu/asce/>

REVIEW OF PREVIOUS ANNOUNCEMENTS

1. Academic Advising: Scheduling an Appointment with an Advisor: Each student has the final responsibility for creating and following an academic plan that leads to graduation. Academic advisors are available to provide information and support

as students develop their academic plans. Students should meet with an advisor at least once a semester. Appointments can be requested using the EAC Appointment request system <https://www.engr.psu.edu/eacappointment/> or by calling 814-863-1033. We look forward to meeting with you. <http://www.engr.psu.edu/AdvisingCenter/>

2. Academic Progress: Early progress reports can be a useful tool to help you monitor your academic progress. However, there is a possibility that you could be performing below 'C' level in a course and not receive a progress report. It is your responsibility to monitor your academic progress. If you have received an early progress report or if you are unsure of how you are doing in a class you should contact your instructor.

Early progress reports can be accessed by logging onto eLion (elion.psu.edu)

The best resource for information on how to improve your course performance is your instructor. If you have questions about other options, you can request an appointment with an Engineering Advisor. Appointment requests can be made on-line at <https://www.engr.psu.edu/eacappointment/> or by calling 814-863-1033.

<http://www.engr.psu.edu/AdvisingCenter/>

3. Advising Tip of the Week: Exam Results: If you have not already, you soon will be receiving the results of your first exams. If you did not achieve the results you wanted contact the instructor to review the exam so that you can learn what concepts and information you need to review. Don't forget to take advantage of the learning resources available on campus. Penn State Learning can provide subject specific tutoring as well as information and resources to improve your study skills. Visit this website for more information about the tutoring and support services that are available on campus. <http://www.engr.psu.edu/AdvisingCenter/support.aspx>

4. College of Engineering's Policy Regarding Harassment: The College of Engineering as an institution has an obligation, and is committed to creating and maintaining a climate that allows and encourages each individual to perform at his or her best. An inclusive working and learning environment benefits everyone in the College of Engineering.

If you believe you have been subjected to harassment, you are afforded protection under the law. It is important to remember that you are not alone and that you do not have to solve adverse situations alone. If you are uncertain, have questions, would like more information, or have experiences with which you are unhappy, be sure to contact an adviser, supervisor, faculty, or staff member whom you trust. All interactions are

confidential. Above all, remember that you have the power to act.

Please note the contacts for the College of Engineering have changed. Individuals throughout the College have trained to work individually and confidentially with students, faculty members, or staff who experience harassment. These advisers can provide confidential guidance on informal and formal procedures for resolving harassment problems.

Cheryl Knoblock
208 Hammond Bldg
Ph: (814) 865-6311
cik5@psu.edu

Dennis Buffington
208 Ag. Engineering Bldg
Ph: (814) 865-2971
deb2@psu.edu

Elena Joshi
302 Leonhard Bldg
Ph: (814) 863-3395
emj3@psu.edu

Candace Davison
Breazeale Nuclear Reactor
Ph: (814) 865-6351
ccd nuc@enr.psu.edu

<http://www.enr.psu.edu/ClimateIssues/>

5. H1N1 Policy: The following information will be published in The Collegian and College of Engineering students at all locations are reminded that the H1N1 Policy applies to all students and all courses, including engineering courses.

IF YOU HAVE FLU SYMPTOMS

The Centers for Disease Control and Prevention (CDC) and Penn State University strongly advise you to avoid public areas, such as work, classrooms, labs, libraries, and social gatherings. Please help to limit the spread of H1N1 by staying away from people until you recover.

IF YOU ARE ABSENT

Make every effort to make up missed work. Begin by sending an email to your instructor. Unless you have been given another procedure regarding absences. You should know that:

-Ill students are not required to provide a physician's excuse.

-Penn State Academic Administrative Policy E-11 requires all instructors, including TAs, to provide reasonable opportunities to make up missed assignments and exams.

-Ordinarily, instructors should not rely on the weighting of a semester's work in place of allowing you to make up missed work.

-You may explain to your teacher, if necessary, that Policy E-11 establishes a right to make up assignments and tests.

-On the rare occasion that you cannot resolve a problem with your instructor, you may contact the head of the department in which your course is offered. College associate deans and campus chief academic officers are prepared to assist you if you cannot locate a department head or instructor. Avoiding the spread of the H1N1 virus is that important!

Illness, of course, should not be used as an excuse to avoid coursework. False claims of legitimate or unavoidable absence may be considered academic integrity violations under Senate Policy 49-20, AAPP G-9.

Please join other responsible members of the Penn State Community by staying away from others until your flu symptoms subside. http://live.psu.edu/tag/Flu_information_for_students

6. Important Dates: Final Exam Conflict Filing Period: Monday - Sunday, September 28 - October 18 (<http://www.psu.edu/dus/handbook/exam.html> <<http://www.psu.edu/dus/handbook/exam.html>>)

Late Drop Ends: Friday, November 13, 2009

Be sure to check the "course drop dates" function in eLion for partial semester courses (Chem 111, for example). Some of the engineering first-year seminars are also partial semester courses. The drop period ends earlier for partial semester courses.

7. Kunkle Lounge Hours: Kunkle Lounge is located at the junction of Hammond and Sackett Buildings on the University Park campus. It is part of the College of Engineering and is designed for studying, group work, presentations, relaxing, and events.

Hours of Operation: Unless otherwise indicated, Kunkle Lounge is available on weekdays to all students, from 8:00 AM to 5:00 PM. During the fall and spring semesters, Kunkle Lounge will be available for use by College of Engineering students Monday through Thursday, 5:00 to 11:00 PM, unless otherwise indicated. During these hours, the doors will be locked. A student identification card will be required to unlock

the doors and only College of Engineering students will have access.

8. Major Nights: Learn about Engineering majors at Major Nights!

Each department will have students, faculty and staff presenting useful information about their major. You will also be able to tour the facilities/labs of that major. Look at the list of major nights and put the dates on your calendar now so you don't forget! The time and location of each major night will be published in each E-News as the date approaches.

Architectural Engineering
Tuesday, October 6
6:30pm-7:30pm
107 Engineering B

Aerospace Engineering
Wednesday, October 7
6:00pm
220 Hammond

Bioengineering
Tuesday, October 13
5:00pm
105 Hallowell

Civil Engineering
Monday, October 19
5:30pm-7:00pm
Kunkle Lounge

Chemical Engineering
Tuesday, October 20
5:00pm
145 Fenske

Computer Science and Computer Engineering
Wednesday, October 21
7:00pm-8:00pm
333 IST Bldg

Electrical Engineering
Monday, October 26
7:00pm
101 EE East

Biological Engineering
Tuesday, October 27
6:00pm
244 Ag Engr. Bldg

Industrial Engineering
Monday, November 2
5:45pm
102 Leonhard

Nuclear Engineering
Wednesday, November 11
6:00pm
125 Reber Building

Engineering Science
Thursday, November 12
6:00pm-7:30pm
114 Earth & Engr. Sci.

9. Society of Automotive Engineers-Engineering Education Awards:

Washington Internships for Students of Engineering (WISE) program
Third and fourth year engineering students get a first-hand look at the interaction between technology and public policy by participating in a ten-week summer program in Washington, DC. Application available in September.
Apply by December 31, 2009.

Henry O. Fuchs Student Award

Promotes the education of engineering students in the area of fatigue technology, research and applications.
Apply by February 28, 2010.

Questions? Contact awards@sae.org <http://students.sae.org/awdscholar/awards/>

10. STS 297A Structures and Society-Open for Enrollment Spring 2010: The central thread of the course will follow the historical development of structures, ranging from the ancient forms of Stonehenge, and the pyramids to modern long-span bridges and high-rise buildings. In tracing the historical time line, attention will be focused on the forces that were at play in shaping the trends - the personalities of the master designers and builders, along with their philosophical leanings; the social and symbolic aspects of structures; the cultural and environmental issues; the needs expressed by functional requirements and the art forms that were consistent with meeting those needs; tensions between creativity, economics, and politics; and the availability of building materials.

This course may be petitioned as a humanities course for engineering students. **Harry H. West, Professor Emeritus of Civil Engineering Phone: 237-3010 E-mail: hhw@psu.edu** <http://www.engr.psu.edu/west/sts297/297asp10.htm>

11. When does spring scheduling begin?: The date you begin scheduling classes for the spring semester is determined by the number of credits earned plus the number of credits in-progress. See the registration time table (or your degree audit) to find your date: http://www.registrar.psu.edu/Reg_Timetable/RegTimetable_Main.cfm

<http://www.registrar.psu.edu/Reg_Timetable/RegTimetable_Main.cfm> If you are a scholar or an athlete, you will have priority registration. Athletes should contact their coaches or the Morgan Center; scholars should contact their honors advisor.