EEE Newsletter
January 22, 2016

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EEE Student Newsletters: Now Available on the Web
The EEE Newsletters are now housed on the EEE Current Students page! Have you ever deleted the email with the recent EEE Newsletter, then wished you could reference it to find the information you needed. Now you can!

- Go to the EEE Current Students page at https://engineering.purdue.edu/EEE/InfoFor/CurrentStudents
- Look under ‘Useful Resources’ column
- Click on ‘EEE Student Newsletter’

EEE SAC: Upcoming Events for Spring Semester- Save these Dates!
The EEE Student Advisory Council (SAC) is sponsoring 2 events this spring semester. Put these dates on your calendar now. More details will be shared as events near. Have questions? See any of the SAC representatives:

Seniors: Kaley Alcock, Mustafa Ghuneim, Andrew Yacinthe
Juniors: Ashley Devore, Sydney Weiss
Sophomores: Emily Conkling, Abby Mitchell

Career Workshop
When? Tuesday, January 26th from 5:30-6:30
Where? MSEE B012
What? There will be three presenters:
- Prof. John Howarter - Graduate School
- Dr. Lindsey Payne - NGOs
- Ms. Meg Whelton - internships and career paths
Students are encouraged to stick around after these short presentations to ask questions and get connected.
Hot chocolate and cookies provided! See attached flyer.

EEE Townhall
When? Early March (TBD)
Where? TBD
What? A HotSeat board will be open in February for students to post and vote on questions ranging from scheduling to choosing selectives to study abroad, and everything in between. Please note that we will not be discussing career topics, as those will be covered at the Career Workshop (see above). The questions with the most votes will be addressed by an EEE faculty member or staff person, and a panel of current EEE students. Also note that this is a discussion-oriented event and not a presentation. Come with additional questions and feel free to help the panel answer with your own personal experiences!
Did You Know? Summer Registration is MOVING!!

- Purdue wants students to maximize their use of summer. To emphasize that, summer registration will have its own registration season in February.
- Summer 2016 Schedule of Classes & Time Tickets are now available in myPurdue.
- Tammi Thayer advised for spring & summer course enrollment at the same time, but if you have new interests or questions about summer options you can make a follow up appointment with Tammi to reconfirm your plans.

What is the FE exam? When should YOU plan to take & how to prepare?

The Fundamentals of Engineering (FE) exam is typically the first step in the process leading to the P.E. license. It is designed for recent graduates and students who are close to finishing an undergraduate engineering degree. The FE is a computer-based exam that is administered year-round in testing windows at NCEES (National Council of Examiners for engineering and Surveying)-approved Pearson VUE test centers. The FE contains 110 multiple-choice questions. The exam appointment time is 6 hours long, which includes a nondisclosure agreement, tutorial (8 minutes), the exam (5 hours and 20 minutes), a scheduled break (25 minutes), and a brief survey.

- EEE SAC and/or SEEE may sponsor some environmental-based study sessions, based on interest level. Indicate your interest and availability at the following survey link - https://www.surveymonkey.com/r/6RYBD9J
- The EEE website has an information and resource page. Go to EEE > Current Students > click on Fundamentals of Engineering (FE) Exam under ‘Useful Resources’

This page highlights the Environmental Exam, NCEES itself, links to various sites to register for the FE, what study sessions are offered on campus (not all apply to EEE, though), how to purchase study guides, and other resources to consider.

- More info about resources for the FE exam... Prof. Nies has very graciously purchased a “loaner” copy of the FE Environmental Engineering Review Manual (all 754 pages!!) that will be housed in the EEE office. Seniors are welcome to “check out” this manual for a 72hr period to review/study. This will at least allow you time to see what type of problems are on the exam, and solutions are provided. See Tammi Thayer to check out the guide.

Job Corner with Ms. Whelton, PE

Welcome back and welcome new EEEs! There are some items I’d like to let you know about that will be happening soon.

February 1st is Expo. This is the largest Purdue career fair in the spring semester. There are quite of few companies that will be there. There are many that have listed EEE as an option, but there are also a lot of good companies that don’t have EEE selected. To enhance your job search look for companies seeking Environmental Health Sciences and Civil Engineering and see if they do environmental work. Many do! In particular, I see quite a few food companies and others like Parsons and Honda that I know are looking for environmental engineers. More information on Expo: http://www.purdueesc.org/careerfairs/expo2016/studentcenter/

The Professional Practice Career Fair on February 16th is another career fair coming up which is associated with the co-op program on campus. In addition to internships, co-ops are the main way to gain environmental engineering experience prior to graduating. With a co-op you work for the same company for multiple rotations (or semesters), generally picking up assignments with greater responsibility each rotation. Sophomores (and some juniors depending on your actual “status”) are applicable if they have a 2.6 GPA or higher. You should have received an email if it is applicable to you, but here is a link to more information on the program: https://opp.purdue.edu/files/Application_Procedures_2016.pdf

Your resume needs to be posted as outlined in the attachment by February 1st to be applicable for this career fair. Although the fair is focused on co-ops, there will be also internship opportunities available. They are continuing to add new opportunities to the system so should keep checking if you are interested. In addition, there will be companies not listed as specifically looking for EEEs that would probably love to have you. Be sure to check the employers ahead of time and go to those who you think need an EEE. In the past we have had Bendix, Ascend, HNTB, NASA, SoCore Energy, Howmet Castings (Alcoa division), and Regal as listed employers. I would in particular consider visiting these employers if they don’t have “EEE” selected prior to the career fair. We had more employers interested in EEEs last year than students interested in three session co-ops so they may not select EEE as an option this time.

I have been posting permanent and internship opportunities on our website. Remember to check our website since most of the time these opportunities are different than those offered elsewhere at the university. Remember, unless an opportunity requires me to relay information or is time sensitive, it will only be posted on our website and not emailed. I
highly suggest you check the jobs portion of the EEE website regularly especially during peak job periods such as the end/beginning of a semester.

Permanent positions are found at this link: https://engineering.purdue.edu/EEE/Academics/InfoFor/CurrentStudents/EEERelatedFullTimeJobs

Internships are found here: https://engineering.purdue.edu/EEE/InfoFor/CurrentStudents/https://engineering.purdue.edu/EEE/Academics/InfoFor/CurrentStudents/EEERelatedPartTimeJobs

Finally I will be at the EEE SAC Career Workshop on January 26 if you have questions. This is a great time to speak with personally me about anything career related.

Welcome back everyone!

Society of Environmental and Ecological Engineers callout!*

SEEE will have their spring semester callout next week. Come meet other EEE’s, have some food and learn about the exciting opportunities they have planned for this semester! Details in attached flyer and below:

- Tues, January 26 at 6:30 PM in HAMP 2118

Engineers Without Borders Call-out!*

Engineers Without Borders will have their spring semester callout next week. Pizza will be provided! Come learn about the current biogas digester project in Uganda and how you can get involved. All majors are needed and welcome. See attached flyer.

- Thursday, January 28th at 7:00 pm in PHYS 203.

Let’s Talk: Race and Ethnicity

Let’s Talk: Race & Ethnicity is a panel discussion in which students with different racial and ethnic backgrounds share their personal experience of what it is like to be a minority on campus. The discussion will last for 45 minutes followed by a 15 minute Q&A period.
**Conversation with Environmental Leaders, Center for the Environment**

The C4E is excited to announce the Spring 2016 Conversation with an Environmental Leader (CEL) series. The series is designed to give Purdue undergraduate students an opportunity to engage in meaningful dialog with a diverse range of civic, corporate, and non-profit environmental leaders in an informal setting. These leaders will share their personal career journeys and perspectives on environmental leadership and reflect on the kinds of skills and interests careers in environmental-related fields require.

The CEL program offers an additional way for students to explore how a wide range of professions focus on solving important environmental challenges locally, nationally, and internationally, in the public and private sectors. Each event is structured as an informal conversation between an environmental leader and a small group of students, including dinner.

More details about the program, including this year’s Leaders, and a link to the registration page, are attached. Note, the **deadline for submitting an application for registration is Friday, January 29**. Register at [https://purdue.qualtrics.com/jfe/form/SV_d1n6d2Pmt5JpuXr](https://purdue.qualtrics.com/jfe/form/SV_d1n6d2Pmt5JpuXr)

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**Forestry and Natural Resources Career Fair-2/26**

The Department of Forestry and Natural Resources is hosting the 2016 FNR Career Fair on **Friday, February 26, 2016** from 10:00 a.m. - 3:00 p.m. in the **Pfendler Hall Gallery**. I would like to extend an invitation to your students. Many students may have crossover interests in field biology, ecology, environmental education, natural resources, environmental consulting, urban forestry, impacting an animal species, or working with animals. Below is a current list of registered employers. Students are invited to keep current with the employer list and career fair details [HERE](https://www.careercenter.purdue.edu/jobpostings/forestry-and-natural-resources-career-fair).
Foreign Language Placement Testing - New policy beginning this summer

Beginning with the Summer STAR 2016 session, students who take language placement tests in French, German, Japanese, Latin, Russian, Spanish, and Heritage Spanish will no longer be eligible to receive automatic credit by exam for their placement results. Beginning this summer in order to receive departmental credit through placement, students will be required to enroll in the course at Purdue into which they place and successfully complete that course in order to earn their credit for placement. Departmental credit will be issued automatically for placement after grades post for the course into which students place.

Students placing into the following levels will receive departmental credit accordingly:
Placement into Foreign Language (FL) 102: departmental credit for FL 101 upon successful completion of FL 102
Placement into FL 201: departmental credit for FL 101 and 102 upon successful completion of FL 201
Placement into FL 202: departmental credit for FL 101, 102, 201 upon successful completion of FL 202
Placement into FL 301/305: departmental credit for FL 101, 102, 201, 202 upon successful completion of FL 301/305

This change in how placement credit is issued will be implemented in the Summer STAR 2016 session. So if you've been delaying taking the foreign language placement test, it may be in your best interest to test yet this spring semester. Students taking foreign language placement exams in the Spring 2016 term will still be eligible for automatic credit by exam based on their placement. There are five foreign language placement testing sessions throughout the Spring term for French, German, Latin, Russian, Spanish and Spanish for Heritage Speakers. For more information, please see the attached flyer.

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For information on placement testing for other languages, please visit our placement page on the School of Languages and Cultures’ website: https://www.cla.purdue.edu/slc/placement/index.html

Summer Academy in Sustainable Manufacturing at Wayne State University*

Wayne State University has been awarded by NSF for an REU Site Program, called Summer Academy in Sustainable Manufacturing. This program starts to recruit students for this summer. The program will provide excellent opportunities to undergraduate students to conduct summer research in state-of-the-art at Wayne State.
For 10 weeks this summer participate in the REU Site: Summer Academy in Sustainable Manufacturing at Wayne State University in midtown Detroit, MI. The program offers undergraduate students the opportunity to perform cutting edge sustainable manufacturing research in exciting Detroit, MI. Accepted students will receive a $5,000 stipend, room and board at Wayne State, and $500 towards travel expenses. Applicants must have a GPA of 3.0 or higher and be a citizen or permanent resident of the U.S.A.

See the attached flyer for more details!

Scholarship Opportunities Available!

It is scholarship season! If you are looking for scholarships for next semester or year, the EEE web page has a listing of private scholarships not provided by EEE or Purdue. There are a number of opportunities listed there currently and the page will be continually updated for more information as it is shared with our office. Follow this link for current listings:

https://engineering.purdue.edu/EEE/Academics/FinancialAid/OutsideScholarship
Come to the EEE Student Advisory Council’s CAREER WORKSHOP!

When: Tuesday, January 26th; 5:30-6:30
Where: MSEE B012
Why: Learn about graduate school, internships and employment at NGOs

FREE Hot Chocolate and Cookies!
COME JOIN US AT THE
SEEEE CALLOUT
SPRING 2016

JANUARY 26, 2016
6:30 PM
HAMP 2118

We will be discussing our plans for the semester, including goals and future merchandise. There will be free food and great times, so be sure to mark your calendars!

FOR MORE INFORMATION CONTACT: DANIEL BUDREAU, DBUDREA@PURDUE.EDU
ENGINEERS WITHOUT BORDERS
Purdue Chapter

- All majors welcome!
- Get experience in a team environment
- Help those in poverty in need of an engineering solution
- Build life-long relationships

CALLOUT:

WHEN: January 28 @ 7:00 PM
WHERE: PHYS 203
Summer Academy in Sustainable Manufacturing
An NSF REU Site at WAYNE STATE UNIVERSITY

Apply Now for 2016! Visit: engineering.wayne.edu/sustamfg/

For 10 weeks this summer participate in the REU Site: Summer Academy in Sustainable Manufacturing at Wayne State University in midtown Detroit, MI. The program offers undergraduate students the opportunity to perform cutting edge sustainable manufacturing research in exciting Detroit, MI. Accepted students will receive a $5,000 stipend, room and board at Wayne State, and $500 towards travel expenses. Applicants must have a GPA of 3.0 or higher and be a citizen or permanent resident of the U.S.A.

Summer 2016 Deadlines
Application: Feb. 19th
Notification: March 4th
Program Period: June 1- August 10th

What you get!
Stipend: $5,000 for the entire 10 week program ($500 per week).

Housing: $2,500 for room and board in the Wayne State Towers dormitories. The Towers is an 11 story dorm with suite style rooms; four bedrooms attached to a shared living space (https://housing.wayne.edu/towers.php).

Travel: $500 towards the cost of travel to and from Wayne State University. Wayne State University is easily accessible from the Detroit Metropolitan Wayne County Airport.

Contact Us
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College of Engineering
Wayne State University
5050 Anthony Wayne Dr.
Detroit, MI 48202

Vist: engineering.wayne.edu/sustamfg/

Notification: March 4

Open to all majors
Sustainable mfg. areas of research

Engineering:
- Mechanical Industrial & Systems
- Chemical Materials Science
- Civil & Environmental
- Electrical & Computer

Business

Chemistry

Biology

Education

Computer

Science

Nano-coating and lightweight materials and manufacturing

Energy storage materials, batteries, and inversion devices

Remanufacturing and sustainable mfg. assessment

Chemical-energy-water nexus