EEE Newsletter

December 4, 2017

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EEE End of Semester Celebration*

The EEE office is hosting an:

End of Semester Celebration
Monday, December 4
3:30-5pm
East Faculty Lounge (PMU 2nd floor)

- All EEE students, faculty and staff are invited.
- Flyer with details attached.

December 2017 graduation candidates will be recognized!!

New EEE Computer Lab - Now POTR 360

- The EEE computer lab room has moved to a larger room, POTR 360.
- Key pad entry instructions:
  - Pull handle down once or twice to clear
  - Enter Code 361234
  - Pull handle down and open door

POTR building hours

- Clarification has been received for POTR building hours since the Engineering library relocated to the Wilmeth Active Learning Center.
- Hours of operation are 6:00am - 10:30pm, seven days a week.
- If doors are locked during these posted times, contact the Purdue Police non-emergency number at 49-48221.

Closed courses and Waitlists in myPurdue

- Some courses use the MyPurdue Waitlist feature that begins at Open Registration. For Spring 2018, Open Registration begins on November 30. Find instructions for how to put yourself on a waitlist at: https://www.purdue.edu/registrar/currentStudents/students/waitlist.html
- For closed courses not using waitlists, continue to monitor to catch if an open seat becomes available. Best time to catch a seat is soon after grades post on 12/20 since those not meeting prereq standards will vacate subsequent courses.
**Summer 2018 Schedule of Classes & Time Tickets**

- **Summer 2018 Schedule of Classes** will be published in myPurdue on Monday, Dec 11, 2017
- Summer PINs are the same as Spring 2018 PINs
- **Time Tickets** for summer registration will be assigned on December 20th. Each student must look in their own myPurdue account to find his/her time ticket because it is specific to how many credits a student has completed.
- General time tickets can be found at link below, but realize that each student must look in their own myPurdue account to find his/her time ticket because it is specific to how many credits a student has completed. You may call yourself a sophomore but have a junior ticket due to AP and dual credits inflating your classification.
  - [http://www.purdue.edu/registrar/currentStudents/students/registrationFaq.html](http://www.purdue.edu/registrar/currentStudents/students/registrationFaq.html) - not specific time tickets

**EEE Research Opportunity Spring 2018**

- Help launch a new research project to explore the large-scale, long-term health of the planet and the link to human health. This project will be based on finding, collecting, cleaning, filtering and analyzing a comprehensive data set of environmental quality and public health indicators and will combine unique types of data.
- See attached flyer for more details and requirements.

**Job Corner with Ms. Whelton, PE**

In the past I have discussed the importance of LinkedIn and how many recruiters are using this as the main way to identify potential employees. Many jobs are posted through linked in (see the “jobs” category on the bar of options at the top of the screen) and you can set your preferences for location, experience level, etc.

So it is important to have your LinkedIn profile polished and up to date. And you want to be found and stand out. Below are some tips to help you set up a great LinkedIn profile. Note, these tips come from the blog post found here: [https://purduecco.wordpress.com/2013/02/05/how-to-write-a-linked-in-headline-that-attracts-recruiters/](https://purduecco.wordpress.com/2013/02/05/how-to-write-a-linked-in-headline-that-attracts-recruiters/)

- Be found on LinkedIn by using the keywords in your Headline that a Recruiter or Hiring Manager would use to search for a job candidate
- Add a meaningful job title to attract as many Recruiters or Hiring Managers as possible
- Add a Value Statement

**Choose the Right Keywords.** The way to attract Hiring Managers and Recruiters on LinkedIn through your Headline is to include the keywords that the Hiring Managers and Recruiters would enter in a LinkedIn “People Search” to find Job Candidates like you.

Your Headline is one of the few areas of your LinkedIn Profile that impacts the LinkedIn Search Algorithm more heavily than the other LinkedIn Profile fields. The other two are your Job Titles and Skills & Experience section.

**NOTE:** The LinkedIn Search Algorithm is the formula by which LinkedIn calculates the order in which people appear in “People” Search results.

If, for example, a company is looking to hire a Financial Advisor, their Recruiter might use any of these keywords to find Candidates like you:
- Financial Advisor
- Investment Advisor

To be found by as many Recruiters as possible, the Financial Advisor would include all three keyword phrases in their Headline.

The following is an example of a possible format:

►FINANCIAL ADVISOR, INVESTMENT ADVISOR, RETIREMENT ADVISOR◄

If you’re unsure what job title a Recruiter or Hiring Manager might use to find Candidates on LinkedIn, look at relevant job listings on a job search website like [http://www.Monster.com](http://www.Monster.com).

Since we are talking about “soft skills”, here is a link to a post where they explain the different between hard or technical skills and soft skills: [https://purduecco.wordpress.com/2016/11/07/soft-skills-an-introduction/](https://purduecco.wordpress.com/2016/11/07/soft-skills-an-introduction/)

As we head into the end of the fall semester, many of you have or will be hearing from companies. If you have a job offer, check out the CCO online. The CCO gives some good information on evaluating job offers, negotiating aspects of your position, and even how to professionally accept or decline an offer: [https://www.cco.purdue.edu/Students/JobOffersandNegotiation](https://www.cco.purdue.edu/Students/JobOffersandNegotiation)

If you still have questions on an offer or on comparing offers and would like advice, contact me.

Enjoy the break!

**Battery Recycling**

- Alkaline batteries are not regulated by the EPA as a universal waste, as they contain no EPA regulated hazardous constituents. Therefore, REM does not accept such batteries on a Hazardous Materials Pickup Request. At present
there is no a Purdue centralized alkaline batteries collection for recycling program. Alkaline batteries contain three primary components: manganese dioxide (the positive electrode), zinc (the negative electrode), and steel (the battery casing). These three components makeup 93% of the average alkaline battery and can be recycled.

- EEE took the initiative and purchased the entry to a nationwide program for batteries recycling. The fee we paid includes the costs of the container, shipping, handling and recycling. Be informed that a green cardboard box (the Big Green Box, cf. https://biggreenbox.com) has been installed today at the entrance of PORT364 for your use to dispose of batteries for recycling. Although the Big Green Box accepts various types of batteries, cell phones and electronics, this recycling initiative is primarily intended for collection of alkaline batteries. No additional insulation required for AA, AAA, C & D alkaline batteries, just drop them into the box. Some other types of batteries require insulation, the plastic bags and instructions are provided on the box. Please, check the back side of the box for an additional information.

- Alkaline batteries in the Big Green Box will be sent to Retriev Technologies Inc. (Lancaster, Ohio, http://www.retrievtech.com) that has developed, patented and implemented a process to safely and efficiently recycle alkaline batteries. At the recycling facility, the alkaline batteries are shredded to separate the steel casing from the zinc and manganese active materials. The recovered steel is sent to a downstream mill for reuse in new steel products. The recovered zinc and manganese is processed through Retriev's patented hydrometallurgical process, which produces very high-grade zinc and manganese that can displace virgin materials produced from mining and high temperature refining operations. Presently, the manganese is used in the production of new alkaline batteries.

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**Purdue Society of Women Engineers Market Yourself 2018**

- Market Yourself - a professional development event held on **Saturday, January 20th, 2018**, hosted by the Purdue Society of Women Engineers (PSWE) and sponsored by Procter & Gamble. The event consists of multiple workshops presented by P&G representatives, interactive interview exercises, and informal networking over a catered lunch.
- This is a great opportunity to for students to learn more about creating a personal brand and preparing for upcoming interviews and job fairs such as EXPO
- Attached is a flyer providing more information as well as a QR code/link to the registration form. This event is free for SWE members and a $5 charge for non-members.

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**New Course & New Minor: Fundamentals of Innovation Theory & Practice**

- The College of Engineering, Innovation and Leadership Studies Program has launched a new minor in Innovation and Transformational Change which is intended to empower students with the methods and competencies to drive beyond incremental change in their chosen field through application of fundamental principles of innovation science.
- The inaugural offering of the foundational course for the minor, **ENGR305: Fundamentals of Innovation Theory and Practice** is this Spring 2018. It is offered at 5:30 pm on Mondays (50 mins) and Wednesdays (110 min).
- An overview of the new minor can be found here: [https://engineering.purdue.edu/Innovation/students/minor](https://engineering.purdue.edu/Innovation/students/minor)
- A description of ENGR305 and an example syllabus can be found here: [https://engineering.purdue.edu/Innovation/students/coursework](https://engineering.purdue.edu/Innovation/students/coursework)
- EEE will count this course as Technical Elective (TE) credit
- Forward any questions directly to Dr. Joe Sinfield ([jvs@purdue.edu](mailto:jvs@purdue.edu)) or to the program ([innovation@purdue.edu](mailto:innovation@purdue.edu)).

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**Request for Bell Tower Photos**

- An ME PhD student is working on a Citizen Science project using images of the Bell Tower.
- He is aiming to collect hundreds of photos of the Tower from Citizen Scientists on campus. Want to help him by disseminating this information?
- See attached flyer for more information

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**University of Oxford: Enterprise and the Environment Summer School**

- Designed and delivered by Smith School faculty, the Summer School will explore leading Oxford research on subject-specific questions such as:
  - How does climate change affect economic stability?
  - How do financial markets drive long-term environmental decision-making?
  - Is the 1.5 degree threshold of the Paris climate change agreement possible?
  - How can we safeguard clean water for everyone?
  - What is the future of energy markets?
What can corporations do to protect biodiversity?

If you are interested in hearing the latest world-class thinking on these questions and in searching for answers, the Summer School is right for you. See the flyer for more details!

What are REUs?? (NSF Research Experiences for Undergraduates)

- NSF Research Experiences for Undergraduates (or REUs) are competitive summer research programs in the United States for undergraduates studying science, engineering, or mathematics. Such programs usually focus on targeting women and underrepresented minorities. The programs are sponsored by the National Science Foundation, and are hosted in various universities. They are among the most prestigious summer programs that an undergraduate can participate in. Individual REUs tend to be specialized in a particular field of science. There are REUs in many scientific fields such as mathematics, physics, chemistry, geology, biology, psychology, and computer science.
- REU sites typically consist of ten undergraduates working in the research program of the host institution. As the program is funded by the NSF, undergraduates must be citizens or permanent residents of the US or its possessions to be eligible for funding. However, some REU sites accept “self-funder” international students. Applications are typically due between February and March. This is excellent opportunity for undergraduates to get further research experience, and REUs are especially recommended for students considering graduate coursework later on. Compensation for hours worked is provided.
- A searchable engine and more info can be found at [http://www.nsf.gov/crssprgm/reu/reu_search.jsp](http://www.nsf.gov/crssprgm/reu/reu_search.jsp)
- These opportunities are competitive so having prior research experience makes you more competitive.
- See your EEE Mentor for more insights on the advantages of REUs, or with help in narrowing your choices.

Scholarship Opportunities Available!

- It is always scholarship season! If you are looking for scholarships for next semester or year, the EEE web page has a listing of private scholarships offered by organizations outside of EEE and/or Purdue. There are a number of opportunities listed there currently and the page is continually updated with more information as it is shared with our office. Get in the habit of checking this page frequently.
- You may access this page by taking this path - EEE -> Current Students -> Useful Resources -> Scholarships and Financial Aid -> Outside Scholarship Opportunities

CCO Inside Track Survey

- The CCO is in the middle of collecting responses for Universum survey for this year, a survey that allow employers to understand the expectations and needs of the college students for their future jobs. For students, it provides a channel for them to voice what they care about a job to the potential employers.
- Here’s the survey link: [https://careertest.universumglobal.com/s/18purdue](https://careertest.universumglobal.com/s/18purdue)
- It would probably take at least 20 minutes to complete this survey
- This would be very important for Purdue stay on the top of the recruiting list for many big companies and organizations, so they post more jobs on myCCO, allocate a budget for their people to come to career fairs and provide other career opportunities for Boilermakers

Writing Lab Tutors

- Tutors available every Wednesday, 6-9 p.m., in ME 2138 and ME 2142. Schedule appointments at [http://cla.purdue.edu/wlschedule](http://cla.purdue.edu/wlschedule).

Student ECN Profile Server Reset

- As has been done previous semesters, the ECN profile servers will be reset by Thursday, December 21, 2017. Any data saved on your R: drive will be deleted and will NOT be recoverable. Please make sure any data stored on your R: drive that you need to keep is moved to your U: or W: drive.

Grade Policy: Repeat Policy for ME Courses

- Mechanical Engineering has instituted a repeat policy effective beginning Fall 2015. The policy is designed to maximize student success and minimize time to graduation.
- The policy is applicable to all students taking ME courses.
- Main impacts on EEE students are:
Grades of C or higher cannot be repeated for a higher grade.
- Students cannot “regress” and take a prerequisite course after having moved forward. (i.e. take ME 27400 Basic Mech II, then decide to repeat ME 27000 Basic Mech I)

- The full policy can be found at https://engineering.purdue.edu/ME/Academics/Undergraduate/ME%20Course%20Repeat%20Policy%20Effective%20Beginning%20Fall%202015%20.pdf

**Grade Policy: Math Courses**

- The Math Department has instituted a minimum grade policy that will be enforced beginning Spring 2016. The policy is designed to maximize student success.
- The policy is applicable to all students taking MA (math) courses.
- Main impact on EEE students are:
  - A grade of C- or higher is required to move forward to the next subsequent course.
- Example: Prerequisite for MA 26200

**Changed all required grades to C- or better**

**MA 26200 Lin Alg Diff Equats**

- Undergraduate level **MA 26100** Minimum Grade of C- or
- Undergraduate level **MA 18200** Minimum Grade of C- or
- Undergraduate level **MA 17400** Minimum Grade of C- or
- Undergraduate level **MA 27100** Minimum Grade of C- or
- Undergraduate level **MATH 26100** Minimum Grade of C- or
- Undergraduate level **MA 17200** Minimum Grade of C- or
- Undergraduate level **MA 26300** Minimum Grade of C-
Environmental and Ecological Engineering

End-of-Semester Celebration

You are invited to celebrate the close of another great semester! December 2017 graduation candidates will be recognized.

All EEE undergraduate & graduate students, faculty and staff are encouraged to attend.

**Date:** Monday, December 4th

**Time:** 3:30-5:00 PM

**Location:** East Faculty Lounge (PMU 2nd Floor)
Environmental and Ecological Engineering Research Opportunity
Spring 2018

Help launch a new research project to explore the large-scale, long-term health of the planet and the link to human health. This project will be based on finding, collecting, cleaning, filtering and analyzing a comprehensive data set of environmental quality and public health indicators and will combine unique types of data.

In addition to having coursework related to environmental engineering (CE/EEE 350 or CE/EEE 355 as a minimum), the student must have basic data literacy (i.e., working knowledge of probability and statistics) and be comfortable with coding (preferably in R or Python). Minimum GPA is 3.0.

Earn independent study credit (EEE 498) during Spring 2018!

To apply for the opportunity, send a resume and short cover letter to Professor Inez Hua (hua@purdue.edu) or Professor Roshi Nateghi (rnateghi@purdue.edu).
MARKET YOURSELF

LOCATION & TIME:
ARMS ATRIUM
11 AM - 2:30 PM

Market Yourself is the perfect opportunity to network with P&G representatives over a union catered lunch! Attend professional development workshops to prepare for career fairs such as EXPO, and learn how to hone your interview skills through an interactive interview exercise relevant for both incoming and returning students.

SPONSORED BY: PROCTER & GAMBLE
HOSTED BY: PURDUE SWE

RSVP BY 1/16/2018

https://goo.gl/forms/1rcZf121fdwm6hhh1

QUESTIONS?
Email
Natasha Yarlagadda
nyarlag@purdue.edu
Become a citizen scientist by participating in a unique investigation.

Send us a few photos!

Instructions:

1. Go to [goo.gl/MUHdxK](http://goo.gl/MUHdxK) on your phone or any device.
2. Select the images you took showing all or part of the Bell Tower.
3. Upload by dragging and dropping to the browser window!

To improve computer-aided structural inspection techniques, we are collecting everyday photos of the Bell Tower. Your help would be appreciated as we seek to gather a wide variety of photos.

Here are just a few examples:

**Note:** All photos collected will be used for research purpose and not be shared. All photos are anonymized by blurring out faces. Research funded by the National Science Foundation and Purdue University.
Welcome to the Enterprise and the Environment Summer School

I'm delighted to invite you to the Smith School's Enterprise and the Environment Summer School in 2018 at the University of Oxford. The programme teaches from our strengths in environmental economics and policy, enterprise management, and financial markets and investment. We will explore critical global environmental challenges in the 21st century through a combination of rigorous science and diverse stakeholder engagement and the value of the environment to enterprise.

The Smith School of Enterprise and the Environment is a leading interdisciplinary academic hub focused upon teaching, research, and engagement with enterprise on climate change and long-term environmental sustainability. We work with social enterprises, corporations, and governments; we seek to encourage innovative solutions to the challenges facing humanity over the coming decades. Our work is complemented by close ties with the physical and social sciences, and especially the research and teaching of our parent department, the School of Geography and the Environment.

We are very excited to once again host this engaging Summer School and look forward to meeting you in Oxford in summer 2018.

Professor Gordon Clark
Director of the Smith School of Enterprise and the Environment

Key Information

Dates: 1 - 13 July 2018
Accommodation: Jesus College
Teaching Venue: Oxford University Centre for the Environment
Contact: summerschool@smithschool.ox.ac.uk
Early Bird Price: £2750 (for payments made prior to 31st May 2018)
Full Price: £3000 (for payments made after 31st May 2018)
Website: www.smithschool.ox.ac.uk/courses/summer-school/
A Summer School Designed, Delivered and Managed within Oxford University

During the Summer School you will explore research from Oxford on some of the most pressing questions for humanity, such as:

- How does climate change affect economic stability?
- How do financial markets drive long-term environmental decision-making?
- Is the 1.5 degree threshold of the Paris climate change agreement possible?
- How can we safeguard clean water for everyone?
- What is the future of energy markets?
- What can corporations do to protect biodiversity?

If you are interested in hearing the latest world-class thinking on these questions and in searching for answers, the Summer School is right for you.

The format of the programme will also include:

- Learning through a range of styles including ‘talk and chalk’, lectures, case studies, interactive activities, field trips, online simulations and small group sessions.
- Direct engagement with practitioners and industry professionals in the finance and corporate sectors in discussing environmental challenges from their perspective, reviewing case studies, and discussing gaps and opportunities for future work.

Oxford is no. 1 in the world for research quality

Most recent UK Research Excellence Framework (2014)

The Summer School will include 50+ teaching hours over 2 weeks

W: www.smithschool.ox.ac.uk/courses/summer-school/
E: summerschool@smithschool.ox.ac.uk