# IN THIS EDITION:

- New EEE Computer Lab
- EEE Registration Season
- EEE Student Experience Survey - Open!
- New Course: CE 49700 Water Treatment*
- Course: EEE 36000 Industrial Sustainability Lab*
- EEE SAC Facebook Page
- EEE SAC Suggestion Box
- EEE Travel Assistance Request Opportunity*
- Job Corner with Ms. Whelton, PE
- Midwest Graduate & Professional School Summit
- San Francisco Bay Area Graduate School Virtual Fair
- Engineering Resources Webpage for International Students
- Scholarship Opportunities Available!
- CDM Smith Scholarship Deadline Extension*
- AWWA 2018-19 Scholarship Info Now Available
- STEP Spring Break 2018 Applications Open
- Course: ENGR 29600 Cross Cultural Leadership Skills for Engineers*
- Peace Corps Prep Application Deadline
- Honors College Withdrawal
- Purdue Research Roundtable
- Division of Financial Aid reminds to file a FAFSA
- EAB Cell Phone Project

## New EEE Computer Lab

- The EEE room (POTR 122) is moving to a larger room, POTR 360.
- POTR 122 will have limited use beginning this Thursday, Oct. 26 when the copier is moved, then the computer stations will be moved sometime on Friday, Oct. 27. Please plan accordingly to use other lab facilities these days since use of POTR 122 will be limited or closed completely. More info will be sent once POTR 360 is completely set up for use.

## EEE Registration Season

- Registration season for Spring 2018 is here! **Spring 2018 Schedule of Classes & Time Tickets went live in myPurdue on Monday, October 9.**
- Students who will be registering for Spring 2018 should have received an info email from Tammi Thayer about EEE mentoring and advising steps. December 2017 graduation candidates were NOT included.
- You may access the newsletter for ‘EEE Registration - Spring 2018’ by taking this path - [EEE --> Current Students --> Useful Resources --> EEE Student Newsletter](#)

## EEE Student Experience Survey - Open!

The EEE Student Experience Survey is OPEN! If you haven’t already, please complete this survey ASAP. Refer to your email invitation for your customized URL. **Completion of this survey is required; even December graduates. All EEE students must participate to receive their Spring 2018 registration PIN.**

- You will submit a current resume at the conclusion of the survey, so have an electronic copy of your resume ready.
- The survey will take approximately 20 minutes to complete.

## New Course: CE 49700 Water Treatment*

- CE 49700 Water Treatment has been added to Category B: Engineering Design list of EEE Selectives.
- It will be taught by Prof. Amisha Shah in spring 2018. See attached flyer for more info

## Course: EEE 36000 Industrial Sustainability Lab*

- Prof. Fu Zhao will offer his lab version of EEE 360 that focuses on industrial sustainability issues this spring.
- Students who have taken the fall “wet lab” can use these course credits toward EEE Selectives if desired. See attached flyer for more info.
EEE SAC Facebook page

- The EEE Student Advisory Council now has a Facebook page.
- Please click the link below if you want updates on events that are happening in EEE on social media: https://www.facebook.com/groups/1851319708455289/

EEE SAC Suggestion Box

- The mission of EEE SAC is to increase interaction between Environmental and Ecological Engineering students and the administration of EEE. The guiding purpose for this council is to encourage and enhance communication, and act as a conduit from the student body to the EEE Head.
- If you have any suggestions/questions/comments that you would like to bring to the attention of the EEE SAC let us know at the link below: https://docs.google.com/forms/d/e/1FAIpQLSfkQlPplZDAUyGgJelvOdMsG_jbjJN3tDD4qqgje8bMb5CwVA/viewform

EEE Travel Assistance Request Opportunity*

- Looking for a funding opportunity to assist with costs associated with your Study Abroad, Global Experience, Service-Learning Project, Conference, etc.?
- Students seeking monetary assistance for travel costs associated with studying abroad, presenting research or other educational activities should use the attached form to validate their need for such support. Applicants should have an initial discussion concerning the intended program with Tammi Thayer.
- Applications are due 1pm on October 30 to Dr. Nina Robinson, EEE Administrative Director
- Application form is attached

Job Corner with Ms. Whelton, PE

Are you interested in working with the Indiana Legislature as an intern in 2018? Last day to register for their internships is October 31st at 12 AM. For internship descriptions, online application, and contact information click the following links:

Senate Democrats http://indianasenatedemocrats.org/opportunities/
Senate Republicans https://www.indianasenaterepublicans.com/intern-program
House Democrats http://indianahousedemocrats.org/students/intern

Some of you have been hearing back from employers from IR and the CE Career Fair and are starting to have interviews. At the end of an interview, they almost always ask if you have any questions for them. You should! It shows you are interested in their company and helps you leave on a positive note in their mind. Questions should have some thought put into them and consider the organization you are interviewing with and the particular position. Including specific information you gained from researching the company and during the interview process is always a plus. This article gives some great general questions to pose at the end of or during an interview: http://www.businessinsider.com/questions-to-ask-in-every-job-interview-2016-10?r=UK&IR=T&utm_source=New+Jobs+Alert+%232+Confidential+profile%29+-+October+28th%2C+2016&utm_campaign=NJA+161028&utm_medium=email

I always try to ask number 1 when I speak with someone. Number 9 and 15 are great too. Some of these questions may not be appropriate for your situation, so use your judgement. Remember a company is interviewing you to see if you “fit in” with their culture, but you are also interviewing them at the same time to see if you would want to work there.

Keep watching the CCO postings, emails from me, and our EEE job posting sites for more opportunities!

Midwest Graduate & Professional School Summit

- The Midwest Graduate & Professional School Summit will be held on November 11, 2017, in Stewart Center.
- This inaugural event will feature more than 60 nationally recognized graduate and professional programs.
- This one day conference is especially designed for students interested in graduate education in business, law, pharmacy, or medicine, or a graduate program in education, fine arts, humanities, liberal arts, public affairs, and related fields.
- Students will learn more about: funding their graduate education; creating a competitive application; studying at top rated universities, such as Boston College, Georgetown, Notre Dame, Pittsburgh, Purdue, Michigan, USC; and more
Purdue students have two options for registering: Participate in all Midwest Summit activities, and pay the regular registration fee of $35; Or, attend only the Graduate School Fair for FREE. A Purdue ID is required for this option. For more information, visit the special Purdue student registration site. All students, including women and members of underrepresented groups, are encouraged to attend. Everyone in attendance can apply to the Purdue Graduate School for FREE!

Visit https://www.purdue.edu/gradschool/midwestgradsummit for more information and to register.

San Francisco Bay Area Graduate School Virtual Career Fair

- The San Francisco Bay Area Graduate School Virtual Fair will be on November 6, 2017 from 9am-2pm PT
- Prospective students interested in studying in the San Francisco Bay area should attend
- Bay Area schools will have their own exclusive chat room allowing for real-time engagement in group and personalized one-to-one interactions
- Follow this link to register and for more details: https://www.careereco.com/Fair/EventDetails?fairId=478e62d9-1dcd-4836-b430-a80600fb9a61

Engineering Resources Webpage for International Students

- A new College of Engineering webpage is now available for international engineering students. Within this page you will find useful information on Academic Success, Career Planning, Visa regulations, and Video resources.
- Link to webpage: https://engineering.purdue.edu/Engr/InfoFor/InternationalStudents
- You may also link to this on the EEE webpage. Follow path - https://engineering.purdue.edu/EEE -> Current Students -> Useful Resources -> CoE International Students Page

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 organization outside of EEE and/or Purdue. There are a number of opportunities 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
- There are also undergraduate scholarships, graduate fellowships, and postdoc positions available:
  - 30+ graduate fellowships: http://pathwaystoscience.org/Grad.aspx
  - 170+ postdoc positions: http://pathwaystoscience.org/Postdocs_Portal.aspx

CDM Scholarship Deadline Extension*

- CDM Smith is offering a scholarship for undergraduate students pursuing a degree in Engineering. They must be enrolled full time and have a GPA of a 3.0 and higher.
- The deadline for the application submission has been extended to November 13th, 2017.
- See attached flyer for more info

AWWA 2018-19 Scholarship Info Now Available

- Since 1965 the American Water Works Association (AWWA) has sponsored annual scholarships ranging from $5,000 to $60,000. In response to the need for an increased workforce in the water industry and rising educational costs, AWWA has made a commitment to increase both the number of scholarships offered and the amount of funding available.
- AWWA has posted information on the 2018-19 scholarships to their website at 2018 AWWA Scholarships. The next deadline to apply is January 9, 2018. The judges hope you will share this information with your students. Questions can be directed to scholarships@awwa.org.

STEP Spring Break 2018 Applications Open

- Spring Break 2018 STEP (short-term engineering programs) applications are open.
• Students may be eligible for the $500 Purdue Moves Scholarship. Students may check their eligibility and find more information here: [https://www.studyabroad.purdue.edu/programs/aid/details.cfm?scholarid=228](https://www.studyabroad.purdue.edu/programs/aid/details.cfm?scholarid=228)

**Course: ENGR 29600 Cross Cultural Leadership Skills for Engineers**

• ENGR 29600 Cross Cultural Leadership Skills for Engineers is a 2 credit course open to all engineering students
• Through this course students will be able to better understand the importance of communication between different cultures in engineering settings
• If interested, watch this brief video that talks about the importance of cross-cultural learning in team environments: [https://youtu.be/J6zAywoYVCU](https://youtu.be/J6zAywoYVCU)
• See attached flyer for more info

**Peace Corps Prep Application Deadline**

• The Peace Corps Prep Program final application deadline is **12:00am Monday October, 30th, 2017**
• The Peace Corps is a service opportunity for motivated change makers to immerse themselves in a community abroad, working side by side with local leaders to tackle the most pressing challenges of our generation
• The Peace Corps Prep is a certificate program for undergraduates that centers on one empowering question: How can you prepare yourself to be the best Peace Corps Volunteer you can be?
• Follow this link for registration details [https://www.purdue.edu/IPPU/CILMAR/PCPrep/Requirements.html](https://www.purdue.edu/IPPU/CILMAR/PCPrep/Requirements.html)

**Honors College Withdrawal**

• Honors College students - No longer interested? No longer planning to pursue completion of the Honors program?
• You must officially withdraw from the program to have the Honors block removed from your myPurduePlan (MPP) audit sheet. Having that extra block on your MPP slows the system down so it makes sense to get it removed! AND with myPurduePlan audits for graduation being used it is now very important for a student’s completion bar to accurately reflect their progress. Therefore, when a student does not plan to finish the Honors College curriculum and needs to have the honors block removed, here’s what would need to happen -

  1. The student must reach out to the respective Honors Advisor and express his/her plans. Honors must have this in writing from the student and a short email will suffice; the Honors College does not initiate the removal of a student without student’s confirmation. Updated information for Honors Advisor assignments can be found here - [https://honors.purdue.edu/current-students/honors-advising/index.php](https://honors.purdue.edu/current-students/honors-advising/index.php)

  2. Once Honors receives the email expressing intent to withdraw, a brief exit survey is sent to the student. Honors prefers that this survey comes directly from our advising team, and discourages sharing the link with others.

  3. Only once the survey is completed will Honors work with the Registrar’s Office to have the Honors College information removed from the student’s MyPurduePlan worksheet and student record. It may take a few weeks before this is reflected.

• Students on the fence about completing Honors or who have questions about curriculum requirements, options, etc., should reach out to their assigned Honors advisor.

**Purdue Research Roundtable**

• The Research Roundtable aims to connect Purdue researchers with potential undergraduate student researchers
• The event will occur **November 2, 2017 from 10:30AM to 3:30PM** in the Purdue Memorial Union South Ballroom
• See link below for more details [https://engineering.purdue.edu/PSPE/roundtable/](https://engineering.purdue.edu/PSPE/roundtable/)

**Division of Financial Aid reminds to file a FAFSA**

• To receive priority consideration for federal, state and university-based financial aid, all current and prospective students planning to attend Purdue University’s West Lafayette campus in the fall of 2018 may file the Free Application for Federal Student Aid (FAFSA) as early as Oct. 1, but no later than Purdue’s priority filing date of March 1, 2018.
“The 2018-19 FAFSA will use 2016 tax data,” said David Reseigh, assistant director of outreach services in Purdue’s Division of Financial Aid. “Instead of waiting until January or February, most students and families can use the IRS Data Retrieval Tool (IRS DRT) any time after Oct. 1 to complete the FAFSA with their already completed 2016 IRS tax return information. Students and families should first visit https://fsaid.ed.gov/ to create a Federal Student Aid (FSA) ID and then go to https://fafsa.gov/ to file the 2018-19 FAFSA.”

**EAB Cell Phone Project**

- Students will be able to provide a cell phone number to be used for texting purposes with Academic Advisors, Office of the Registrar, and Student Success Programs (including Disability Resource Ctr).
- Students can log into the myPurdue Portal; click on Academics and then Personal Information to add their cell phone.
How do we provide clean drinking water to 7.57 billion people and counting ???

We will evaluate the principles, challenges and innovative design approaches towards solving this problem.

Core topics will include:

- **Principles** and **design** of a multi-barrier treatment approach
- Coagulation/flocculation, sedimentation, filtration and chemical disinfection
- Role of Activated Carbon (GAC and PAC)
- Ozone and UV Disinfection
- Advanced Oxidation
- Membrane Filtration for Water Reuse and Desalination (MF, NF and RO)
Gain hands-on experience with industrial sustainability!

Three modules (each module is 1 credit; it is recommended that you take all as a package but not required).

Module 1 (Week 1-5) Design of Experiments with applications related to EEE: air quality, wind energy, etc.

Module 2 (Week 6-10) Circuit, Power and Energy: current, voltage, power, power factor, process heating, energy efficiency, & compressed air

Module 3 (Week 11-15) Product End of Life Management: disassembly, metal/plastic separation, techno-economic analysis, & field trip

Topics include:

- Design of Experiments
- Air Quality
- Product Disassembly
- Heat Transfer and Loss
- Polymer Identification
- Separation of Materials
- Life Cycle Analysis
- Power Measurement
- DC/AC circuits
- Compressed Air and Leaks
- Wind turbine
- Energy Loss & Insulation

Want more information? Contact Professor Zhao
Office: ME2194 | Email: fzhao@purdue.edu
Environmental and Ecological Engineering
Travel Assistance Request Form: Study Abroad, Global Experience, Service-Learning Project, Conference, etc.

Students seeking monetary assistance with tuition, fees, travel or related expenses associated with studying abroad, doing/presenting research or other educational activities including travel should use this form to validate their need for such support. Applicants should have an initial discussion concerning the intended program with the EEE Associate Director of Advising. Applications are due to the EEE Administrative Director by relevant deadline.

Application Deadlines: October 30 for support of winter or spring term experiences
March 15 for support of summer or fall term experiences

Basic information:
Name, PUID ____________________________________________
Semester/Dates of travel _______________________________________
Location/Program/Conference Name ________________________________
Number of credits to complete (if applicable) _________________________
Specific course equivalencies (list) _________________________________
Name all faculty sponsors (if applicable) ____________________________

Personal Statement: On a separate sheet in 500 words or less, describe the planned experience and how it will help you to grow as an individual and future professional, as well as any benefits to clients or community groups. Include relevant details on how funding could eliminate financial obstacles to your participation.

If the experience is not a course-based program (study abroad), answer each of the following in your statement and have the lead/supporting faculty member or instructor indicate approval with a signature.
1. Describe the project or area to be studied. What are the main questions of study?
2. Describe your learning objectives and goals? What do you hope to accomplish through the experience?
3. Describe how you will show you have met your learning objectives — what products, reports, or other deliverables will you produce to show that you have met the objectives?
4. Describe how your project relates to EEE, to material covered in other EEE courses, and/or to your professional goals.
5. If credit for a course will be given, state how you intend to use this credit toward EEE degree requirements.

Estimated Budget:
Travel $__________
Food & Incidental expenses $__________
Housing $__________
Insurance $__________
Tuition/Fees $__________

Funding Already Received:
Travel $__________
Food & Incidental expenses $__________
Housing $__________
Insurance $__________
Tuition/Fees $__________

List other funding sources being pursued: ______________________________________________

Have you received previous funding from EEE:
☐ No
☐ Yes For what? Amount? __________________________________________

If EEE agrees to provide support, you will be required to provide a “deliverable” to EEE. Indicate below how you wish to meet this requirement.
☐ Presentation to EEE 29000 Intro to EEE Seminar
☐ Presentation to EEE affiliated student organization
☐ EEE volunteer hours upon return to campus (~10hrs)
☐ Write student spotlight to be featured on EEE webpage
☐ Poster for display
☐ Report
☐ Other __________
CDM Smith Scholarship Program

CDM SMITH HAS ESTABLISHED A SCHOLARSHIP PROGRAM TO ASSIST STUDENTS PURSUING AN ELIGIBLE STEM UNDERGRADUATE PROGRAM FOCUSING ON ENGINEERING AT AN ELIGIBLE UNIVERSITY.

UP TO FOUR (4) $5,000 SCHOLARSHIPS AVAILABLE

APPLY HERE:
WWW.SCHOLARSSAPPLY.ORG/CDMSMITH/

MUST HAVE A GPA BETWEEN 3.0-4.0 AND ENROLLED FULL-TIME

Deadline to apply OCTOBER 13, 2017

Eligible Universities
ENGR 29600
CROSS CULTURAL LEADERSHIP SKILLS FOR ENGINEERS

OPEN TO ALL ENGINEERING STUDENTS
CREDIT HOURS: 2
OFFERED: FALL & SPRING

AT THE END OF THIS COURSE YOU WILL:

✓ DEVELOP AN ENHANCED UNDERSTANDING OF HOW COLLEAGUES FROM DIFFERENT CULTURES MAY APPROACH OR DEFINE PROBLEMS.

✓ GAIN KNOWLEDGE ABOUT SOME OF THE KEY DIMENSIONS OF CULTURAL DIFFERENCE THAT ARE MOST PROMINENT IN MULTI/CROSS NATIONAL TEAM SETTINGS.

✓ KNOW HOW TO APPLY BASIC PARTICIPANT OBSERVATION STRATEGIES TO WORK MORE EFFECTIVELY WITH COLLEAGUES WHO DEFINE AND SOLVE PROBLEMS DIFFERENTLY.

“Through our trainings and group events, I am getting the unique opportunity to reflect on how I see cultural differences and how I identify with my own. Everything we discuss in trainings is applicable and thought-provoking, allowing me to truly practice what I am learning. I am very grateful for this program and the people involved with it because I know that I am changing because of it.”
Anna Tatara
Graduate Student, Industrial Engineering

“The training session has allowed me to develop the skill of noticing and recognizing various cultural conflicts that happen in our everyday lives.”
Tekeyuki Miyauchi
Sophomore, Aerospace Engineering

“Being a part of CCLP has helped me understand how people from different cultures think and behave, and what’s the reason behind them behaving like that. I feel, this type of training is a very important part of being an all-rounded engineer.”
Mayank Makkar
Senior, Industrial Engineering