EEE Newsletter
February 5, 2016

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EEE Student Photos

EEE has arranged for a photographer to take professional headshots of all our students! PLEASE put this on your calendar!! This is especially important for seniors since these photos will be used for archive purposes as we document each of our graduating classes. Each participant will get a digital copy for your use - on applications, LinkedIn, etc. Business/business casual dress is requested.

Pictures will be taken “first-come, first-served” by walk-in so come & go as needed. It should only take a few minutes as each person quickly has 2-4 photos taken.

- Details: EEE Headshots (waist up)
- When (choose one date):
  - Wednesday, February 10th, 2:30-4PM, POTR 122
  - Thursday, February 25th, 10AM - 11:30AM, POTR 122

Job Corner with Ms. Whelton, PE

I have mentioned this several times, but I feel it needs to be emphasized again. Persistence works well with companies-it shows a genuine interest in working for them. By persistence, I am referring to attending informational sessions and other informal opportunities to talk with their staff. They aren’t holding these sessions just to chat with college students-they are gauging if you are truly interested in their company and if you would “fit” in their particular work environment. This is particularly true for consultants where persistence is a valuable asset. This also means that you should “visit” their table whenever they are at career fairs. If they remember you (hopefully) usually it is for the right reasons and a good thing. They make notes that you have already applied and are checking for updates, etc. You cannot beat personal contact. A face to the name beats just seeing someone on paper any time. The reason I want to bring this up is because recently I heard that attending these informal events is starting to pay off for a few of you. That your name is being forwarded to corporate environmental. Yeah!! This is not the season for most consulting firms and some other companies to hire-although that is coming soon. But this is the season for them to collect information on who they feel are the best candidates. So keep being persistent-keep attending those sessions and visiting their booths, even if they say they are just collecting resumes at this time. The more it is noted that you are interested in a company, the better it is for you! There is a reason they are being paid money to stand at these fairs and events-they are collecting information on you as a potential employee!

There are several upcoming events that have job opportunities for EEEs:
The Professional Practice Career Fair (February 16th, 10am to 3pm, PMU Ballrooms) is associated with the co-op program on campus. However, several of the companies have internship opportunities for EEEs and even a full time opportunity! So if you are looking for an internship or a permanent position in addition to those interested in co-ops, you may want to attend. Remember there are also other companies there that don’t have EEE listed that could use an EEE. There are currently opportunities (internship, co-op, fulltime) with the following companies: Ascend Performance Materials (internship, 3 session co-op), Consumers Energy (internship), CSL Behring (5 session co-op), Howmet Castings (internship), WSP Parson Brinckerhoff (GEARE and full time). Anyone can sign up for interviews (open sign up) starting February 9th at 7am until February 10th at 12pm. This is 1st come-1st served system.

A link to all the employers coming to Professional Practice Days which they will continue to update prior to the event is found on their website: https://opp.purdue.edu/ Look for the tab on the lower left corner (it is grey) that talks about employers.

The Forestry and Natural Resources career fair (2/26/16 10am to 3pm in PFEN Hall Gallery) has a few companies that could be applicable to EEEs. First is the IDEM Watershed Assessment and Planning Branch (their internship is on our website), US Army Corps of Engineers, Environmental Solutions & Innovations and several other government organizations (IDNR, USDA). It may be beneficial to check this out. https://ag.purdue.edu/fnr/Pages/CareerFair.aspx

The College of Agriculture fair (2/10/16 from 9am to 3pm in France Cordova Recreational Sports Complex Large Gym) may also have some people you want to see-look for those that list majors of interest as: other engineering majors, environmental science, or natural resources. This is the only career fair that I have seen where the Peace Corps will be attending. If you are interested in serving with them after graduation, it may be a good time to speak with them. https://purdue-csm.symplicity.com/events/index.php?id=ef88fc3366ce396d260e00406efc8ad9&PHPSESSID=e7ff2b793828d4056b86b355a1c902e0#/events/ef88fc3366ce396d260e00406efc8ad9/overview#employer

Finally the Green Engineering Fair will be here soon-March 3rd.

There are many more career fairs on campus. See all of the career fair on campus at the CCO site: https://www.cco.purdue.edu/Calendar/#Career-Fairs

EEE Maymester Study Abroad Program: Sustainability Across Sectors *

- Want to include a global experience in your academic program but not sure you can commit to an entire semester off campus? Consider joining Prof. Inez Hua as she once again leads a group of approximately 18 students in a short-course called Sustainability Across Sectors, Sweden.
- This course that can be counted as an EEE Selective course: EEE 49500 – 3 credits.
- Must have taken CE/EEE 35000 or 35500. Rising sophomores through seniors who have met this requisite are welcome to apply.
- See attached flyer for more info.
- Space is limited so apply here - https://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=1169&AcademicSchoolCode=E&ProgramTypeID=7

What are REUs or 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
- 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.
Summer 2016 REU in Climate Change Impacts at University of Texas at Austin

The Environmental Science Institute (ESI) of the University of Texas at Austin announces an NSF-funded program during the summer of 2016 for undergraduates interested in environmental science research. Students will be trained in laboratory and field methods applied to studies of global change and its impacts and will work on independent projects under the supervision of a faculty mentor. Project areas are interdisciplinary and encompass the fields of chemistry, biology, ecology, urban ecology, policy, environmental engineering, and geological sciences. Students will participate in a weekly research seminar series, portfolio creation, and professional development activities. Students will also participate in field excursions related to scientific research. These 1-2 day activities may require physical exertion involving hiking, caving, camping, and/or boat rides in hot and humid weather. The summer program will conclude with a research poster session and open house.

- Further info may be found at: http://www.esi.utexas.edu/education/research-experience-for-undergraduates/
- Applications are due February 17, 2016. Contact lynnkatz@mail.utexas.edu or ehersh@esi.utexas.edu for more info.

Solid Waste Management in the US: Insights and Trends- Research Seminar*

On February 17, CEO Bryan Staley from the Environmental Research and Education Foundation (EREF) will be at Purdue. Dr. Staley is visiting Purdue to talk about the waste management challenges his organization has been working on and expects we as a society must address in the future. See flyer for more details!

Cargill Global Scholars Program *

Cargill would like to invite you to speak with them regarding their Global Scholars program for 2016. They’ll be on campus

- Wednesday, February 17th at 6:00 pm
- Pfendler Hall, Deans Auditorium (room 241)
- See attached flyer

2016 Undergraduate Research & Poster Symposium*

- The 2016 Undergraduate Research and Poster Symposium registration is now open! The application is linked from the Undergraduate Research site (http://www.purdue.edu/research/Ugrad) or can be found directly at https://purdue.qualtrics.com/jfe/form/SV_29rDMCxw3WiLYuV . Application deadline is March 11.
- The Undergraduate Research and Poster Symposium is open to the public and showcases the research of undergraduate students. Participation in the Undergraduate Research & Poster Symposium earns students recognition on their Purdue Co-Curricular Transcript.
- The poster symposium will be held on Tuesday, April 12, 2016, in the North and South Ballrooms of the PMU. The event is scheduled from 1:00-3:30pm with a reception immediately following and awards presentation starting at 4pm.

Proposals being accepted for PJSJ journal

Proposals are being accepted for the third volume of Purdue Journal of Service-Learning and International Engagement (PJSJ). Learn more at http://docs.lib.purdue.edu/pjsl/

Become an International Student Peer Coach!*

The International Student Peer Coach is a new part-time paid position on campus. Six positions are available for a college of engineering international or US student that has lived or studied abroad for at least one semester and completed the Transition Coaching Program (TCP). Selected International Student Peer Coaches will collaborate with many units across the College of Engineering to increase support for international students. The selected candidates will have excellent professional development opportunities to hone their skills in verbal and written communications, public speaking and organization. We are looking for people to start work at the end of March with availability in the summer and in the fall. Wages are $8 an hour and students will work around 4-5 hours a week. Please apply for this position on mycco.purdue.edu using the Job ID number 802495. The deadline to apply is Friday, February 12th, 2016.

Attached you will find the full job description. Please direct your inquiries to Darshini Render, Assistant Director for Student Success in the College of Engineering Undergraduate Education render@purdue.edu
E-Week T-shirt Design Contest

Want to see your design worn all over campus? Theme: “Engineers Make a World of Difference”

Engineers week 2016 will be held April 4-8 and an important feature of Purdue’s celebration is the student designed t-shirt. Not only will you get to see your design all over campus you will win $100. Please keep in mind, T-shirts will be a solid color with a maximum of three colors ink: white, black, highlight color. Designs must be emailed to Twila Ortiz (tmortiz@purdue.edu) by February 19 at 5pm.

Upcoming NISO events (Purdue’s National & International Scholarships Office)

Reminder to fill out FAFSA and upcoming changes

All current and newly admitted students planning to attend Purdue University West Lafayette in the fall of 2016 must file the Free Application for Federal Student Aid (FAFSA) by March 1 to receive priority consideration for federal, state and university-based financial aid. “A change to the process this year is creating the new FSA ID, a more secure username and password,” said David Reseigh, assistant director of outreach services at Purdue’s Division of Financial Aid. “The old PIN will no longer work, so both the student and one parent must separately create an FSA ID to sign and submit the 2016-17 FAFSA.” Follow this link for more information.

Attention Students: Error seen the week after the Office365 migration

Only for Students on Office365: A week or two after a successfully completed migration from mymail to o365, there’s an “Account delayed” error that will pop up. This merely describes the inability of o365 to log into the mymail server (because the mailbox is totally gone).
To fix this delayed account error, go back to step 10 of https://support.purdue.edu/goldanswers/561502/, and remove the mymail account from the “Connected accounts”. Don’t do this until the migration is successfully completed.

Remember BIOL 121? Read about Dr. Minchella’s awesome playlist from class!

Dr. Minchella has been teaching for many years and a large number of students have taken his class, Biology 121. Below is an article that tells about Minchella’s teaching techniques and access to his biology playlist with the topics! Enjoy it here.
Balancing One's Life and Coping with the Burdens of High Expectations

Free classes are being offered that focus on Balancing One's Life and Coping with the Burdens of High Expectations. They are aimed for ages 18-40 to help build skills for life. Although these classes are held at a local church, there is no religious content in them, just a free community service. Contact jgroh@purdue.edu if you have any questions. All are Welcome.

INTERACTIVE WORKSHOPS ON SUNDAY AFTERNOONS for YOUNG ADULTS

- Our Savior Lutheran Church, 4:00-5:30
- 300 W. Fowler and Vine, West Lafayette

January 31, February 7 & 14
Balancing Others’ Needs with My Own
(identification, mindfulness, boundaries, stress)
Marcia Daehler, RN, Therapist (765-743-1894)

February 21 & 28, March 6
The Burdens of High Expectations
(Identifying them, understanding them, strategizing, coping)
Jean Peterson, PhD, Counselor (765-463-2110)

Mindfulness Series- Dealing with life’s daily struggles

If you know of students who you think could benefit from learning about stress coping skills and awareness, please let them know about this free opportunity. This program has been created for undergraduate students, but this semester, we will open it to graduate students as well. The Mindfulness Series will take place on February 29th and March 2nd, 7th, & 9th. A total of 25 slots are open to students and will be filled on a first come, first serve basis. To register, students can email Will Evans, Assistant Director Health and Wellness Programs at evans240@purdue.edu. Registration will end February 28th or once the slots are filled. The topics include Stress Reduction, Mindful Meditation, Restorative Yoga, and Mindful Eating.
Switzerland is ranked 9th in the world according to the Environmental Performance Index, reflecting how the country performs in areas such as environmental health and ecosystem vitality. Stockholm is world famous for its stunning beauty. The city sits on 14 islands, is surrounded by water and has parkland, forest, and lakeshore beaches.

Purdue is partnering with KTH, the Swedish Royal Institute of Technology, in Stockholm for this program. Students will participate in lectures by KTH faculty, visit full-scale sites in various industry sectors, including tours of the Arlanda Airport wastewater treatment plant, district heating facilities, and Hammarby Sjöstad, an entire district of Stockholm designed with sustainable infrastructure. Students will also tour the Swedish Environmental Protection Agency, the Parliament Building, and participate in cultural activities.

Total cost is estimated at $3300 all inclusive, but students may apply for the Purdue Moves scholarship of $1000, lowering the total price to $2300. To qualify for the scholarship, you must be an undergraduate, not have used the scholarship before, and not travel to your home country.

The course is open to engineering or science students who have taken at least one environmental engineering course: CE 350 or EEE 350 or CE 355 or EEE 355. Other pre-requisites may qualify: check with the instructor. Rising sophomores through seniors are welcome to apply. Earn 3 credits for CE 497 or EEE 495. Students who are EEE majors may choose this course as an EEE selective, and students who are CE majors may choose this course as a technical elective.

Contact Dr. Inez Hua hua@purdue.edu churchil@purdue.edu with questions about academic questions or Jill Churchill travel, costs, or registration.
Research Seminar
Co-Sponsored by CE/EEE

DATE:  Wednesday, February 17, 2016
TIME:  3:30 P.M.
LOCATION:  Potter 234, Fu Room

Bryan Staley, Ph.D., P.E.
President and CEO
Environmental Research and Education Foundation

“Solid Waste Management in the U.S.: Insights and Trends”.

BIO

Dr. Bryan Staley currently serves as President and CEO of the Environmental Research and Education Foundation (EREF), one of the largest sources of research funding and scholarships related to solid waste management. He joined the EREF in 2008, where he started as vice-president of environmental programs, and has 22 years experience in the environmental engineering field. He is recognized nationally as technical expert in sustainable solid waste management issues and holds degrees from N.C. State University (PhD, B.S.) and the University of Tennessee (M.S.).

Dr. Staley is a licensed professional engineer has held key positions in consulting firms as a project manager and vice-president of engineering where he managed projects ranging from solid waste management, wastewater treatment system design, to retail/commercial land development and environmental management of large-scale livestock operations.
Cargill Launches the 2016 Competition of the Cargill Global Scholars Program

Cargill and the Institute of International Education (IIE) are pleased to announce the launch of the 2016 Cargill Global Scholars Program application cycle.

We have deeply valued our partnership with Purdue University over the past three years of the program and hope to continue this partnership in the program’s fourth year. As a partner university, your first and second year undergraduate students who demonstrate exemplary academic achievement, leadership potential and study in a field relevant to Cargill’s world of food, agriculture and risk management are eligible to apply.

In addition to an annual scholarship award of $2,500 for up to two years, the Cargill Global Scholars Program provides leadership development opportunities through seminars, networking events, and a one-on-one mentoring program with executives from Cargill. These enrichment activities have been designed to help foster and enhance the Cargill Global Scholars’ leadership potential and critical thinking skills, and equip them with the tools necessary for becoming global leaders and decisions makers.

In the United States 10 scholarships will be awarded during the 2016 academic year.

Students specializing in any of the following areas are encouraged to apply:

- Agriculture Related Field
- Business
- Computer Science
- Economics
- Engineering
- Food Science
- International Relations
- Political Science
- Public Policy

The application deadline is March 1, 2016 and we are currently accepting applications online, through our website. To access the application or learn more about the Cargill Global Scholars Program please visit: http://www.cargillglobalscholars.com/. We encourage you to please share this information with your eligible students and encourage them to apply.

For further information on the Cargill Global Scholars Program in the United States, please contact: Cargillglobalscholars@iie.org
UNDERGRADUATE RESEARCH & POSTER SYMPOSIUM

TUESDAY
APRIL 12, 2016
PURDUE MEMORIAL UNION
NORTH AND SOUTH BALLROOMS

Being a part of what makes Purdue excellent prepares you for future experiences where you will need to present and apply your work. Being directly involved in the process of discovery, along with the feedback from judges and other student participants during the symposium will prove invaluable in your efforts to present your work in the future.

APPLY BY MARCH 11: PURDUE.EDU/RESEARCH/UGRAD
Enter your research poster and win cash prizes!

The Undergraduate Research and Poster Symposium is open to the public and showcases the research of undergraduate students. Participation in the Undergraduate Research & Poster Symposium earns recognition on your Purdue Co-Curricular Transcript.
Become an International Student Peer Coach!

Are you interested in making a difference in the future of another international student? The College of Engineering Undergraduate Education has a unique paid part-time job opportunity for the right candidate. As an International Student Peer Coach, you will collaborate with many units across the College of Engineering to increase support for international students. The selected candidates will have excellent professional development opportunities to hone their skills in verbal and written communications, public speaking and organization. Please apply via mycco job Id # 802495. Please submit your resume and cover letter by Wednesday, February 12, 2016.

Requirements

- Must be a currently enrolled undergraduate student under the College of Engineering and have completed at least two semesters at Purdue University (West Lafayette campus)
- Must maintain a minimum GPA of 2.5
- Must be able to commit to at least 4 hours per week of paid work, attend two semester training sessions, and attend all 6 Transitional Coaching Program (TCP) workshops
- Must be an international student/student that has lived abroad growing up/student that has gone through the TCP Program/student that has been involved in at least a semester study abroad
- Ability to work without direct supervision (work independently)
- Have a positive, enthusiastic attitude and strong customer service skills

Responsibilities

- Assist with special campus tours and lead tours as needed when international students, parents and school counselors visit and record statistics on guests who call and visit
- Attend mandatory meetings once a month*
- Check and respond to incoming emails in a timely manner
- Develop programs which will include collaborating with current students and Alumni
- Respond to questions and concerns of the admitted students. When available coordinate special events in home country and meet with prospective and admits
- Coordinate chats and webinars with student staff and email invitations to admitted students (Collaborate with OFE)
- Plan and coordinate a welcome and networking event for FYE students
- Advise Office of Future Engineers on improving recruitment strategies
- Mentor and coach international FYE students on academic success and career development

Benefits & Goals

- Be part of the Transition Coaching Program (TCP) which increases cross cultural abilities in students
- Mentor both future international engineering students and first year engineering students for success
- Receive training opportunities for peer coaching on career development and academic success
- Earn a cross cultural learning certificate upon completing the TCP
- Develop interpersonal communication skills

MYCCO JOB ID 802495

POSITION TYPE Part Time, Paid

SALARY LEVEL 8:00

JOB FUNCTION Consulting/ Coaching

APPROXIMATE HOURS PER WEEK 4-6