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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. that you are planning for this summer or next fall?
- 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 Thursday, March 15 to Dr. Nina Robinson, EEE Administrative Director. Send to nlrobins@purdue.edu.
- Application form is attached

EEE Combined Degree Program Callout*

- EEE will be hosting a Combined Degree callout and information session that will take place on Thursday, March 22, 2018 in POTR 234 (Fu Room) at 5:30 P.M (pizza will be provided).
- This program is available to junior BS students in the following majors: Agricultural Engineering, Biological Engineering, Chemical Engineering, Civil Engineering, Environmental and Ecological Engineering, Materials Engineering and Natural Resources and Environmental Science.
- See attached flyer for more info
- If you would like more information about this program, please visit the following webpage: https://engineering.purdue.edu/EEE/InfoFor/CurrentStudents/Graduate/CombinedDegreeProgram

Job Corner with Ms. Whelton, PE*

The Professional Practice Career Fair is on February 20th. Although this career fair is primarily focused on co-ops there are also internship and permanent opportunities available. At this time, it looks like only coop opportunities are available for EEEs at this career fair. See the links on the left side of the website (Professional Practice Days and Employers attending 2018 PPD) for more information: https://opp.purdue.edu/ Coops are a great way to great way to get experience and make more money than through the traditional internship route. You don’t have to be registered with their office to interview with the companies on the EEE list.

The Department of Forestry and Natural Resources is hosting the 2017 FNR Career Fair on Friday, February 23, 2018 from 10:00 a.m. – 3:00 p.m. in Pfendler Hall on the second floor. Flyer attached. There are several firms (CEC, Cardno, USDA NRCS, Corps of Engineers, IDEM, etc) attending that appear relevant to EEEs. The career fair details are found HERE. The list of employers attending is given here: https://ag.purdue.edu/fnr/Documents/Registered%20Employers.pdf As usual, do your research before you visit the employers. This career fair has short lines, so you will definitely want to research employers before you approach them.

The Emerging Employers Fair is February 27th in the Union from 1 to 4pm. If you’re looking for an internship, you may want to check out the Purdue Pathmaker Internship Program and Interns for Indiana booths. Both are ways for companies to
recruit and hire Purdue interns. They may have opportunities for EEEs. More information on the fair is found here: https://purdue-csm.symphlicity.com/events/6d6bbe6def9bb55cb803f0e37ae2505e/overview

**Summer Undergraduate Research Fellowship (SURF) Application Open**

- The SURF program is helping students across engineering, science, and technology disciplines **discover a world of opportunity** available to them through research. By closely working with other creative and innovative people, **students explore, discover, and transform ideas into reality** to advance society and improve people’s lives.
- SURF 2018 will run from May 21 - August 3
- Current sophomores or juniors can apply. Minimum of 3.0GPA required.
- Applications must be submitted no later than March 7
- Learn more at https://engineering.purdue.edu/Engr/Research/SURF/Programs/Campus

**REU Opportunities at Virginia Tech**

- Virginia Tech has announced their new USDA-Funded RESEARCH & EXTENSION EXPERIENCES FOR UNDERGRADUATES (REEU), **TRAINING FUTURE LEADERS TO SOLVE RESOURCE CHALLENGES AT THE CONFLUENCE OF WATER AND SOCIETY**.
  - They are looking for undergraduate students interested in interdisciplinary research.
  - Applicants must be US citizens or permanent residents, enrolled in a degree program leading to baccalaureate or associates degree, and be entering their sophomore, junior or senior year in Fall 2018. The program will run from May 28 - July 27, 2018 in Blacksburg, VA on the Virginia Tech campus.
  - To promote a unifying context for research: Fellows and mentors will be members of interdisciplinary teams; We will learn from and interact with a range of stakeholders across multiple land use issues; and Activities will be place-based within the Virginia Tech StREAM Lab, with a view towards its relationship with the larger New River basin.
  - Deadline to apply is February 28, 2018
  - For more information: https://vtconfluence-reeu.weebly.com/
- Other REU opportunities are posted under the “NSF-REU SITE” tab on the following website: http://lewas.ictas.vt.edu/
  - Applicants are requested to upload their applications along with the other required documents by the deadline. Review of applications will begin February 12.
  - Contact Dr. Vinod K. Lohani (phone: (540) 231-0019; FAX: (540) 231-0970; E-mail: vlohani@vt.edu) if you have questions
  - See attached flyer for more details

**REU at the University of Houston**

- The University of Houston will host a research experience for undergraduate students titled: **Materials for Sustainability in Energy and Manufacturing**
- This is a 10 week REU program designed to: build research laboratory skills, develop written and oral presentation skills, gain training in safety and ethics, establish a professional network, and explore social activities in Houston!
- Applications will be reviewed on a first-come, first-served basis. Early submission is encouraged
- Application deadline is March 9, 2018
- See attached flyer for more info

**Richard A. Herbert Memorial Scholarship Opportunity**

- The Richard A. Herbert Memorial Scholarship will award $8,000 in scholarships in 2018 to students enrolled in a program related to water resources for the 2018-2019 academic year.
- Scholarships are offered to undergraduate, graduate, and Ph.D. students
- The application **deadline is April 23, 2018**
- Follow this link for application and more info: http://www.awra.org/about/scholarships/

**$4,000 Scholarship Opportunity**

- The Society of American Military Engineers (S.A.M.E.) brings together professional engineers and those in engineering related fields to improve and increase the engineering capabilities of the nation.
The Kentuckiana Post S.A.M.E. recognizes that some of our most valuable engineering resources of the future are the students of today. Therefore, the Kentuckiana Post will award up to five (5) $4,000 Scholarships in 2018 to students who exemplify the qualities and accomplishments of a promising engineering career.

- Students do not need to be military dependents, nor is military interest/participation required. High school seniors and college students meeting the criteria (listed within the application) are encouraged to apply.
- Application deadline is March 16
- Application requirements and instructions can be found here: http://www.same.org/Portals/0/posts/kentuckiana/documents/SAME18application.pdf

### Engineering Resources Webpage for International Students

- A College of Engineering webpage is 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

### CAPS International Student Conversation Hour*

- Starting Jan. 31st CAPS is going to hold a weekly based International Student Conversation Hour on Wednesdays from 4:30 - 5:30 PM at WALC B074
- This is a good opportunity for international students to discuss and learn about how to manage their unique experiences. See attached flyer for more info

### Honors College Withdrawal

- Honors College students - No longer interested? No longer planning to pursue completion of the Honors program?
- To withdraw formally from the Honors College, please contact your Honors College Advisor via email to express your intentions. To find your assigned Honors College Advisor open this link: https://honors.purdue.edu/current-students/honors-advising/index.php
- 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!

### Paid Summer Job Opportunity - Orientation Programs*

- Orientation programs is beginning the search for STAR Ambassadors
- They are hiring both full-time and part-time staff members ($9/hr) in order to accommodate students who are taking summer classes. The callouts for the position are on February 26th and 27th at 6pm in PHYS 203 (see attached flyer and job description for additional details)
- The application will open on Wednesday, February 28th at 12pm and will close on Sunday, March 18th at 11:59p.m. Application information can be found at: http://www.purdue.edu/orientation/star/ambassadors.html
- See attached flyers for more details

### The Data Mine: New Living Learning Community

- The Data Mine introduces students to concepts in Data Science that will be useful for students in all areas of study. New for 2018-19, this LC is open for *all* undergraduates, including students from any year of study, and any major. No background is required. Housing will be in Hillenbrand. This experience will prepare students to work on research or internships that require knowledge about managing, visualizing, and analyzing large data sets.
- Students will participate in seminars, learn computational tools, and work in teams on projects throughout the academic year. It includes a one credit seminar in each of the fall and spring semesters. Students will learn about topics such as R, data visualization, bash, regular expressions, pattern matching, SQL databases, XML scraping, and parsing, etc. Students will also discuss topics related to professional development for research and the workforce.
- Apply at: https://purdue.qualtrics.com/jfe/form/SV_6Ar7HhwFmmJhtrf
- Direct questions to Dr. Mark Ward.
OFE’s Adopt Your State Program - Volunteers Needed

- The Office of Future Engineers is looking for student volunteers to reach out to students admitted to FYE for Fall 2018! The program is called “Adopt Your State,” where current Purdue engineers are paired with admitted students from their home state to serve as a point of contact, resource, and possibly even mentor/friend on campus. The program itself will run from early March - early May. Volunteers must be a current domestic student in Engineering.

- Basic responsibilities/activities include:
  - Send a message to admitted students, introducing yourself and asking if they have questions
  - Invite the students to lunch/coffee if they’re coming to campus (OFE will provide you a meal card!)
  - Share your experiences and survival tips to help them be better prepared for college life and determine if Purdue is the place for them
  - Attend 2 evening meetings, each roughly only one hour and both with free(!) food
  - Time commitment is minimal, maybe an hour per week

- A one-hour training session (free food!) will occur in late February. If you have participated in prior years, things will be a bit different this year that will reduce your workload and hopefully increase the responses you’ll get back.

- To indicate interest fill out this form: https://goo.gl/forms/3xMgSxmV7KxFZX023 (Note: Previous participants need to fill out this form again.) Contact Aurie Swartz at aurie@purdue.edu with questions!

Discussion Groups at Purdue Counseling & Guidance Center

- If you are stressed about a romantic breakup, or are grieving the loss of someone important to you, the Purdue Counseling and Guidance Center (PCGC) can help. The PCGC will be offering discussion groups on each of these topics on Wednesday nights, beginning February 28th and running until April 25th. Each night will start with a free meal from 6:00 to 6:30pm and the groups will be from 6:30 to 8:00pm.

- Topics for the groups are as follows:
  - Grief discussion group—opportunity for college students who have experienced the death of someone important to them to talk about their experiences with grieving during college, with an emphasis on the uniqueness of grief.
  - Romantic breakup discussion group—opportunity for college students who have recently experienced a breakup to talk about their reactions and responses, with an emphasis on the losses and gains that are often connected with the ending of significant relationships.

- Students interested in attending one of these groups must contact the PCGC—spaces are limited. For more information and/or to sign up, call 494-9738. Limited spaces are also available for individual counseling for general concerns. Our email address is pcgc@purdue.edu and our website is www.edst.purdue.edu/pcgc.
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.

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<tr>
<th>Estimated Budget:</th>
<th>Funding Already Received:</th>
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<tbody>
<tr>
<td>Travel</td>
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<td>Food &amp; Incidentals</td>
<td>Food &amp; Incidentals</td>
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<td>Housing</td>
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<td>Insurance</td>
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<td>Tuition/Fees</td>
<td>Tuition/Fees</td>
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| List other funding sources being pursued: | |

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<tr>
<th>Have you received previous funding from EEE:</th>
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<tr>
<td>☐ No</td>
</tr>
<tr>
<td>☐ Yes For what? Amount? ____________________</td>
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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*
- ☐ Poster for display
- ☐ Presentation to EEE affiliated student organization
- ☐ Report
- ☐ EEE volunteer hours upon return to campus (~10hrs)
- ☐ Other __________
- ☐ Write student spotlight to be featured on EEE webpage

**For Office Use only**
_Approved for $ _________
_Denied
COMBINED DEGREE PROGRAM (BS & MSEEE)

INFORMATION SESSION FOR JUNIORS

THURSDAY
MARCH 22, 2018
FU ROOM, POTR 234 - 5:30 PM
FREE PIZZA

WHO’S INVITED?
Juniors in semester 6 with cumulative GPAs of at least 3.25, enrolled in:

- Agricultural Engineering
- Biological Engineering
- Chemical Engineering
- Civil Engineering
- Environmental and Ecological Engineering
- Materials Engineering
- Natural Resources and Environmental Science

SUMMARY
Environmental and Ecological Engineering, in collaboration with other Purdue departments, schools, and programs offers a combined degree program in which a Purdue student can receive a BS degree, and with one additional year of study, a non-thesis Masters of Science in Environmental and Ecological Engineering (MSEEE) degree. This is accomplished by dual-counting 9 appropriate course credits at the 500 level on the BS and MSEEE Plans-of-Study.
Forestry and Natural Resources Career Fair

Friday, February 23rd, 10:00am-3:00pm
PFEN Hall Second Floor

- Opportunity to network and make contacts with organizations in the natural resources field
- Ask employers questions about necessary skills and general career advice
- Search for internships or a post-graduation job
- FNR Students, make an appointment with Shelly Opperman via Boiler Connect to get your résumé ready!

There is something for everyone!
Undergraduate Research Fellowships Announcement
Summer 2018 (May 20 – July 28, 2018)

National Science Foundation Research Experiences for Undergraduates (REU) Site
INTERDISCIPLINARY WATER SCIENCE AND ENGINEERING
Virginia Tech, Blacksburg, Virginia

Application Deadline February 16, 2018 (5:00 PM, EST)

Qualified and motivated undergraduate students (rising sophomores, juniors, and seniors) from all U.S. colleges and universities are invited to submit applications to participate in a 10-week (May 20 - July 28, 2018) summer research experience in interdisciplinary water science and engineering at Virginia Tech. U.S. Citizens or Permanent Residents are eligible to apply. The research program is funded through the National Science Foundation’s Research Experiences for Undergraduates (NSF REU) Site program. The 10-week internship will begin May 20, 2018, (arrival day) at Virginia Tech and will end July 28, 2018, (departure day). This research internship includes a stipend of $500/week, housing (two persons per room), meals, and travel expenses (limited to a maximum of $500 per person for students working at Virginia Tech and a maximum of $1500 for those students travelling to India). From our prior sites, during 2007-2017, we have graduated 95 excellent undergraduate researchers representing 55+ institutions in the United States. Application materials, details about research mentors, along with information on summer 2018 research projects and other program activities, are posted under the “NSF-REU SITE” tab on the following website: http://lewas.ictas.vt.edu/.

Applicants are requested to upload their applications along with the other required documents by the deadline. Review of applications will begin February 12. However, we'll continue to accept applications until February 16, 2018. We'll start contacting successful applicants by February 23. Please contact Dr. Vinod K. Lohani (phone: (540) 231-0019; FAX: (540) 231-0970; E-mail: vlohani@vt.edu) if you have questions.

**Titles of Summer 2018 Projects**

**Project 1:** Robot Design for Sampling in Environmental Monitoring (Dr. Vinod K. Lohani)

**Project 2:** Water Quality and Ecosystem Dynamics in a Drinking Water Reservoir (Drs. Cayelan Carey and Madeline Schreiber)

**Project 3:** Investigation of the Occurrence and Fate of Pharmaceuticals and Personal Care Products (PPCPs) in Urban-impacted Watersheds (Dr. Kang Xia)

**Project 4:** Water Quality for Humanity and the Environment (Dr. Andrea Dietrich)

**Project 5:** Bacterial Contamination of Water Distribution and Plumbing Pipelines (Drs. Mark Edwards and Amy Pruden)

**Project 6:** Recovery of Nutrients and Water from Wastewater Using an Integrated Osmotic Bio-Electrochemical System (Dr. Jason He)

**Project 7:** Symbioses in Aquatic Systems (Dr. Bryan L. Brown)

**Project 8:** Drivers and Functions of Vulnerable Waters (Dr. Daniel McLaughlin)

**India-based Research Projects for REU Scholars:**

**Project 9**: Chemical and Microbial Water Quality in India (Drs. Peter Vikesland and Amy Pruden, Virginia Tech, USA) and (Dr. Indumathi Nambi, Indian Institute of Technology, Madras)

**Project 10**: PIRE Research Opportunity (Drs. Peter Vikesland and Amy Pruden, Virginia Tech, USA) and Dr. Indumathi Nambi, Indian Institute of Technology, Madras)

*REU scholars will spend the first week and the last 3 weeks of the 10-week program at Virginia Tech and the remaining 6 weeks at the Indian Institute of Technology, Madras.
Materials for Sustainability in Energy and Manufacturing

Interested in gaining research experience in engineering?

Spend ten weeks this summer performing research in sustainability in the Cullen College of Engineering at UH — and earn a $5,000 stipend!

May 21, 2018 - July 31, 2018

In the ten-week REU program:
- Build research laboratory skills.
- Develop written and oral presentation skills.
- Gain training in safety and ethics.
- Establish a professional network.
- Explore social activities in Houston!

Sample research projects:
- Flexible and stretchable batteries
- Smart antifouling coatings to prevent corrosion
- Nanoporous zeolites for advanced catalysis
- Biorenewable polymer resins for infrastructure
- Earth-abundant metal alloys for chemical synthesis
- Electrochemistry for next-generation energy storage

Application deadline: March 9, 2018

Applications will be reviewed on a first-come, first-served basis. We encourage early submission.

APPLY ONLINE: www.egr.uh.edu/reu

FOR MORE INFORMATION CONTACT:
Drs. Haleh Ardebili and Jacinta Conrad // reu2018@egr.uh.edu
INTERNATIONAL STUDENT CONVERSATION HOUR

Come meet with other international students to discuss and learn about how to manage experiences that may be unique to being an International Student!

Some refreshments and snacks will be provided!

Location: Wilmeth Active Learning Center (WALC)
Room: B074
Day/Time: Wednesdays 4:30 – 5:30 PM (weekly, starting January 31st)

Rotating Topics:

Communication/Language and Academics
Homesickness, Culture Shock, and Acculturation
Maintaining Relationships and Making New Ones

Jan 31-May 2
STAR Ambassador Callouts

Feb 26th & 27th
6:00-7:00pm
PHYS 203

Not only does the STAR Ambassador position offer the opportunity to welcome and connect with new students and their families, but it offers both full-time and part-time paid work experience! Help us support the future generation of Boilermakers!

For more information please visit www.purdue.edu/orientation/star/ambassadors.html
Are you a proud Boilermaker that has great interpersonal skills AND free time this summer? Apply to be a STAR Ambassador! Get paid for what you do best; interact with people!

What is STAR?
Summer, Transition, Advising, and Registration (STAR) is a one day program, hosted by Student Success Programs, for new undergraduate students to receive academic advice, request fall courses, and conduct other important business on-campus.

What do STAR Ambassador do?
- Welcome new Boilermakers and their families to Purdue!
- Address questions and concerns throughout the STAR day
- Assist with student a family check in, the class preference process, and other program logistics
- Troubleshoot any problems that arise throughout the day and seek assistance whenever needed
- Have fun and gain a rewarding experience

Qualifications:
- Undergraduate student at Purdue with at least a 2.5 cumulative GPA before and throughout the STAR experience.
  - Note: If you are selected to be an Ambassador and you fail to maintain minimum 2.5 cumulative GPA at the end of the spring semester, you will be dismissed from your role.
- Ability and willingness to promote Purdue and the Boilermaker experience in a positive light
- Well informed about campus resources
- Reliable, responsible, mature, and willing to help new students and their families.
- Ability to take initiative and be proactive

Job Requirements, Duties & Specifics:
- Must be available from June 18th to July 13th 2018
  - Note: You will be free on all weekends and on July 4th and 5th
- Must be available for four required trainings on April 23rd, June 13th, June 14th, and June 15th
- Must be willing to complete other duties assigned
- Must be living in or around West Lafayette and be able to provide your own transportation to and from campus throughout the summer

Hours/Pay:
- As a STAR Ambassador you will be compensated at a rate of 9 dollars per hour
- As a STAR Ambassador you have the option to work full-time or part-time
  - As a full-time STAR Ambassador you must work between 30 and 40 hours per week
    - Note: In order to be a full-time STAR Ambassador you must not be enrolled in any summer classes
  - As a part-time STAR Ambassador you must work a minimum of 20 hours per week
    - Note: As a part-time STAR Ambassador you may take either morning or afternoon classes, but not both.
- If you have another on-campus job you cannot work over 40 hours a week combined, between your STAR Ambassador position and your additional role.
o Note: If you are an international student and you are required to take courses during the summer then you cannot work for more than 20 hours a week.
  o It is your responsibility to ensure you are within your work hour limits.
• Lunch will be provided at a dining court on campus during all STAR working days.

Application Process:

• The online applications will open on Wednesday, February 28th at 12:00pm EST and will close on Sunday, March 18th at 11:59p.m. EST
  o The application can be found at: http://www.purdue.edu/orientation/star/ambassadors.html
• Interview – following the completion of your application, you will be directed to a page where you may sign up for a 20 minute interview on either March 28th or March 29th
  o These interviews will be reserved on a first come, first served basis.

* Please contact Todd Braverman (tbraverm@purdue.edu) or Sarah Pacelli (spacelli@purdue.edu) if you have any additional questions.