Weekly Newsletter

September 30, 2019

Dear colleagues-

So, we’ve almost made it to October and this week sees our affiliates keeping busy!

We hope you have a chance to take a break this evening and stop by to help us celebrate the new Water Year here at the Mann Atrium at 5:30.

While we are celebrating new years, Shana Tova to our friends celebrating Rosh Hashanah!

This week, we look forward to our second lunch in our series on Engaging the Public featuring Otto Doering, see below.

Please sign up and urge your students to sign up to present a poster at the mixer on the 17th.  Deadline for signup is THIS FRIDAY: October 4th.

Register a poster or display at: https://purdue.ca1.qualtrics.com/jfe/form/SV_bILN4eCURSZra0R
RSVP at: https://purdue.ca1.qualtrics.com/jfe/form/SV_9GehMljfmKsDCqF

This Week’s C4E and Co-Sponsored Events

Today, September 30: New Water Year Celebration
Hydrologists use the concept of a water year extending from October 1st – September 30th when quantifying water resources, because this period removes the influence of snow and minimizes the change in storage (in soil moisture, groundwater and reservoirs) over the time period. Come ring in the beginning of water year 2020, with a look at the state of Indiana water resources in 2019 and a forecast for the coming year. With participation from the IN State Climate Office, IN Water Resources Center and IN Climate Change Impacts Assessment. Refreshments provided! 5:30 – 7:30 PM in the Mann Hall Atrium.
Tuesday, October 1: Engaging the Public: Communicating about Environmental Issues Lunch Series
A Life with Policy, a conversation with Otto Doering
Dr. Otto Doering will lead this lunch time discussion sharing his experiences and insights into the topic of engaging with thinking, talking and writing about environmental policy. Co-sponsored with PPRI. 11:30 AM – 1:00 PM in MRT 237.

Wednesday, October 2, and Friday, October 4: Chemical Exposures SRA Lunch Discussion
The Chemical Exposures Signature Research Area will have two lunch events to discuss the submission of the renewal application for the SRA in 2019-2020. The agenda will also include discussion of what the SRA has accomplished since its establishment in 2017 and future directions. October 2, 11:00 AM – Noon, October 4, 12:30 – 1:30 PM, both in MRGN 212.

Additional C4E Sponsored and Co-sponsored Events

October 17: Environmental Research Expo and Community Mixer
The Center invites all affiliates and their students to share their research, meet new people, and connect with old friends at our sixth annual Environmental Research Expo and Community Mixer at the PMU East and West Faculty lounges beginning at 4:30 PM and ending at 7:00 PM. Posters should be 36” x 48”. We will have boards and pins available.

All are welcome and research groups, students, and student organizations are encouraged to present a poster on their environmental research or set up informational displays. Deadline for posters is Friday, October 4th.

Register a poster or display at: https://purdue.ca1.qualtrics.com/jfe/form/SV_bILN4eCURSZra0R
RSVP at: https://purdue.ca1.qualtrics.com/jfe/form/SV_9GehMljfmKsDCqF

October 18: Unforeseen Circumstances: A Symposium on Expertise & Justice in the Anthropocene
An interdisciplinary one-day event on environmentalism and unintended consequences featuring a faculty panel moderated by C4E co-director Laura Zanotti and roundtable discussion. Roundtable from 11:00 AM – 1:00 PM in NLSN 1215, Panel from 3:00 – 5:00 PM in PFEN 241.

Oct. 25, Nov. 22: Building Sustainable Communities (BSC) Business Meeting and Social
The Building Sustainable Communities SRA will have business meetings, open to all who are interested, on Fridays toward the end of each month. These are open to everyone! Each meeting will have a social immediately afterwards. All events are from 4:00 – 5:00 PM in MRT 237

November 1: Water Signature Research Area & Civil Engineering Seminar
The Water Signature Research Area along with the Civil Engineering Hydrology and Hydraulics group will welcome Dr. Matthew Farthing, a research hydraulic engineer at the U.S. Army Engineer Research and Development Center’s Coastal and Hydraulics Laboratory in Vicksburg, MS, to present a seminar. More details to come! 3:30 PM in WALK 3084

November 4: Building Sustainable Communities Roundtable on Promotion and Tenure
The Building Sustainable Communities SRA is pleased to offer a roundtable this fall focused on promotion and tenure documents. Panelists are interdisciplinary tenured faculty working on environmental challenges from across campus to discuss how they worked with their departments to craft their tenure documents. Following the panel, there will be ample time for questions and discussion in a supportive environment. Panelists will talk about how to create a compelling story that features interdisciplinary work in promotion documents. 3:30 – 5:00 PM in BRNG B212
Other Upcoming Events

October 1: ABE Fall Faculty Seminar Series
Please join Purdue’s Department of Agricultural and Biological Engineering and the Division of Environmental and Ecological Engineering in welcoming Assistant Professor and C4E Faculty Affiliate Shweta Singh. Shweta will be presenting a talk titled “Developing Next Generation Industrial Ecology and Systems Tools for Designing Sustainable Industrial and Urban Systems.” 1:30 PM – 2:30 PM in STEW 310

October 1: EEE Research Seminar
Sara McMillan, Associate Professor of Environmental and Natural Resources Engineering at Purdue, will present a talk titled “Incorporating Alternative Values to Design Conservation and Development Programs.” 10:30 AM in Potter Hall, Room 234.

October 3: EAPS Departmental Colloquium
Please join Purdue’s Department of Earth, Atmospheric, and Planetary Sciences for a presentation by Ruben Juanes, Professor of Engineering at MIT, on Jamming Transition and the Emergence of Fracturing in West Granular Media. Refreshments at 3:00 PM in HAMP 2201, presentation at 3:30 PM in HAMP 1252.

October 4: Plant Science Social on Wabash River Quality
The College of Agriculture will present a poster networking event on water quality in the Wabash River Basin on Friday, October 4. Anyone working on research related to water quality is welcome to present a poster. 4:00 – 8:00 PM at Riehle Plaza, 200 N Second St., Lafayette, IN.

October 17-18: 13th Annual ESE Symposium
Join ESE for an engaging discussion of the tradeoffs and synergies between the Sustainable Development Goals. The symposium will include a video competition, disaster simulation, expert panel, and a keynote speaker. These events are free and open to Purdue students, staff, and faculty. ** Attend their video contest presentation following the C4E Mixer on Thursday evening, 7:30, in the Purdue Graduate Student Center

Funding Information and Opportunities

EVPRP Workshop: Write Winning Grants Workshop; Presented by Dr. Lauren Broyles
This full-day workshop is designed for faculty, research scientists, and administrators who have had some exposure to writing grant applications. Emphasis is given to such things as idea development, identification of the most appropriate granting agency, how to write for reviewers, and tips and strategies that are of proven value in presenting an applicant’s case to reviewers. Participants will choose one of four workbooks which provide agency specific grant writing tips and suggestions. We are unable to accommodate students in this workshop. A limited number of postdocs will be allowed to attend but must receive an invitation through the Graduate School. Thursday November 7, 8:30AM - 5:00PM; STEW 302. Register here: https://purdue.ca1.qualtrics.com/jfe/form/SV_ddrcxn4tPdZhgYB

EPA: Campus RainWorks Challenge Invites Students to Design Innovative Infrastructure for Stormwater Management
The U.S. Environmental Protection Agency (EPA) is launching its eighth annual Campus RainWorks Challenge, a design competition that is open to colleges and universities across the country. EPA seeks to engage with students to design innovative green infrastructure solutions for stormwater
management, showcasing the benefits of these practices. Each first-place team will earn a student prize of $5,000 to be divided evenly among student team members and a faculty prize of $5,000 to support green infrastructure research or training. Second-place teams will win a $2,500 student prize and a $2,500 faculty prize. Registration for the 2019 Challenge opened Sept. 1, 2019 and closes Oct. 15, 2019. Registrants must submit their entries by Dec. 17, 2019 and winners will be announced in the Spring 2020. https://www.epa.gov/green-infrastructure/campus-rainworks-challenge-0

DOE (RFI): Water Security Grand Challenge Resource Recovery Prize
The Department of Energy’s (DOE) Office of Energy Efficiency and Renewable Energy is seeking feedback via a Request for Information from public and private sector stakeholders on the design of a prize competition to increase resource recovery from municipal wastewater treatment plants across the United States. View the official request and submission instructions HERE, which includes more information about the technical focus areas and response guidelines. Responses to this RFI must be submitted electronically to WaterResourceRecoveryPrize@ee.doe.gov no later than 5:00 p.m. (ET) on Wednesday, October 23, 2019.

NSF: Science of Science: Discovery, Communication, and Impact (SoS:DCI)
The Science of Science: Discovery, Communication, and Impact (SoS:DCI) program is designed to increase the public value of scientific activity. The program pursues this goal by supporting basic research in three fundamental areas: 1) How to increase the rate of socially beneficial discovery; 2) How to improve science communication outcomes; and 3) How to expand the societal benefits of scientific activity. Deadline: February 10 https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505730

USDA-NIFA: Higher Education Challenge (HEC) Grants Program
HEC projects provide funding to eligible applicants to help ensure a competent, qualified and diverse workforce will exist to serve the food, agricultural, natural resources, and human (FANH) sciences system. The HEC projects are expected to: (a) produce measurable impacts aligned with HEC program goals, (b) promote innovative, educational practices within the FANH sciences that improve how students learn, and (c) include a rigorous evaluation component to assess that project outcomes are met. Institutions must demonstrate capacity for, and a significant ongoing commitment to, the teaching of food, agricultural and human sciences generally, and to the specific need and/or discipline(s) for which a grant is requested. Deadline: March 23 https://nifa.usda.gov/funding-opportunity/higher-education-challenge-hec-grants-program

NSF: Interfacial Engineering
The Interfacial Engineering program is part of the Chemical Process Systems cluster. The goal of the Interfacial Engineering program is to support fundamental research on atomic- and molecular-scale interfacial phenomena and engineering of interfacial properties, processes, and materials. Fundamental understanding of the thermodynamic, kinetic, and transport properties of interfacial systems underpins improvements in chemical process efficiency and resource utilization. As such, proposed research should have a clear vision for how the results will translate to practice in or otherwise advance industrial chemical or biochemical processes. Deadline: On-Going https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505726

NSF Dear Colleague Letter: 2019 Social, Behavioral, and Economic (SBE) Repositioning
The social, behavioral, and economic (SBE) sciences have a tremendous impact on quality of life, and are critical to addressing nearly every major challenge faced by humans today. SBE scientists are making real differences in the lives of millions of people. NSF is currently looking for ways to build on that progress. With that goal in mind, the SBE Directorate has announced a repositioning of some of its basic research
programs. This type of repositioning is common practice at NSF and helps us advance the agency's mission more effectively. Please see the link below for more details and please direct all questions to the following e-mail address: sbe-communications@nsf.gov. https://nsf.gov/pubs/2019/nsf19089/nsf19089.jsp