ESF Outreach E-news
October Edition

A regular update on ESF’s outreach programs, projects, partnerships and people.

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Our E-newsletter now includes an “E-Query”, a current fact related to our mission and our programs.

E-Query: How do trees help with stormwater runoff?

Answer: Trees are the original Green Infrastructure. Trees intercept rain and retain some on their leaves and bark, a portion of which will evaporate and the remainder will be released gradually into the soil. Fallen tree leaves also help retain moisture in the soil by creating a layer that rain water can percolate through, instead of becoming runoff. Additionally Trees absorb water through their roots and eventually release it into the atmosphere by transpiration. Trees can be used in vegetative swales (i.e. channels with a dense stand of vegetation) to promote water infiltration, reduce the velocity of stormwater runoff and trap particulate pollutants. (Information from Tree City USA Bulletin No. 55, Arbor Day Foundation) To take a tour of Green Infrastructure projects in Syracuse, N.Y., including bioswales, and to learn more about the Growing Green Infrastructure Symposium on November 16 - 17, 2011, please visit www.esf.edu/outreach/gi/symposium/.

Upcoming Programs Include

For your convenience, learn more about these and other programs at: www.esf.edu/outreach/calendar.asp

Fundamentals of Engineering (FE) & Principles of Engineering (PE) Review Classes
October 11, 2011 – March 8, 2012 / Syracuse, N. Y.
The FE/PE Review Classes are an important part of our service to the regional engineering community. Engineers who become PE’s are often promoted to a higher status in their profession, just as CPA’s are regarded more highly than accountants. Obtaining the PE licensure provides career development, promotes a deeper commitment to the profession, and increases leadership and
management skills. Classes are held at ARCADIS and C & S Companies in Syracuse, close to major roadways and with free parking. For a complete class schedule and to register online, please visit our website at: www.esf.edu/outreach/pd/pe/

**Green Infrastructure Professional Development Workshop: What is i-Tree?**
November 16, 2011 / ESF Campus (tentative)
i-Tree is a state-of-the-art, peer-reviewed software suite from the USDA Forest Service that provides urban forestry analysis and benefits assessment tools. The i-Tree Tools help communities of all sizes to strengthen their urban forest management and advocacy efforts by quantifying the structure of community trees and the environmental services that trees provide. This workshop is under review for PDH, LU and CEU credits. Also, join us the following day to learn more about other Green Infrastructure applications at the Growing Green Infrastructure Symposium held on November 17, in Syracuse N.Y. For more information about this Professional Development Workshop and Symposium, visit: www.esf.edu/outreach/gi/symposium/

**Kiln Drying Workshop**
January 9 – 12, 2012 / Syracuse, N.Y.
This workshop provides practical knowledge about how to effectively kiln dry wood, and focuses on the science behind related wood properties and drying processes. The instruction and topics are of interest and value to novice and experienced kiln operators as well as yard, sales, purchasing, marketing, and manufacturing managers. University professors and various industry experts instruct in the classroom and through hands-on lab exercises using our modern kiln. Learn more about this workshop at: www.esf.edu/outreach/kiln/.

**10th Annual NYS Green Building Conference: Father of Green Chemistry Speaking**
March 29-30, 2012 / Oncenter Complex, Syracuse, N.Y.
ESF Outreach is pleased to announce Paul Anastas, Ph.D., will be speaking at the 10th Annual New York State Green Building Conference on March 29, 2012. Dr. Anastas earned his M.A. and Ph.D. in chemistry from Brandeis University and is a synthetic organic chemist. After joining Yale University's faculty in 2007, he is now the Director of the Center for Green Chemistry and Green Engineering, and the inaugural Teresa and H. John Heinz III Professor in the Practice of Chemistry for the Environment at Yale University’s School of Forestry and Environmental Studies. Dr. Anastas has also been nominated by President Obama to serve as the Assistant Administrator for the EPA's Office of Research and Development and as a Science Advisor to the EPA. As the “Father of Green Chemistry”, Paul Anastas has been recognized nationally and internationally for his many contributions to science and the environment, as well as for his innovative research on the design, manufacture, and use of minimally-toxic, environmentally-friendly chemicals.
The New York State Green Building Conference will take place at the Oncenter in Syracuse, NY on March 29-30, 2012. The conference serves as a forum for current green building research and development, best practices, discussions on green building science and operation and maintenance, as well as an opportunity to network with other green building exports, professionals, and researchers.
The NYS Green Building Conference is still seeking presentation abstract proposals. For abstract submission information, please visit: www.esf.edu/greenbuilding/documents/CallforAbstractsGreenBuilding2012.pdf
Learn more about this conference and sponsorship opportunities at: www.esf.edu/greenbuilding/.
Items of Interest for our Outreach Friends & Colleagues

**ESF in the High School Expanding Offerings**
Another school year has begun and *ESF in the High School* (ESFHS) continues to expand. This year we have added five new course offerings, including Applied Calculus and Introduction to Papermaking for a total of 13 course offerings. The ESFHS program is in six new schools, so this program is now offered in 40 New York State high schools. Hundreds of students involved in this program have been visiting campus this Fall and on Thursday, October 27, we will host a ESFHS Teacher Professional Development Symposium on campus. The ESF Adjunct teachers will learn about the [Syracuse Urban Long Term Research Areas (ULTRA)](www.esf.edu/outreach/esfhs/) through presentations from ESF faculty involved with this project, including Dr. Eric Greenfield and Ms. Myrna Hall. For more information, visit: [www.esf.edu/outreach/esfhs/](www.esf.edu/outreach/esfhs/)

**e200 Emerging Leaders Initiative Graduation**
On November 2nd, 18 Syracuse small business leaders will graduate from the e200 Emerging Leaders initiative, a U.S. Small Business Administration supported training initiative to accelerate growth of high potential small businesses. The eight-month program, that began in April, consisted of approximately 100 hours of training per participant and provided opportunities to work with mentors, attend workshops, and network with their peers, local leaders and financial communities. SUNY-ESF is proud to co-sponsor this initiative and host graduation on campus. (See the video of the announcement of this initiative on February 25th, 2011 on our Facebook site: [www.facebook.com/pages/SUNY-ESF-Outreach/102866573086260](www.facebook.com/pages/SUNY-ESF-Outreach/102866573086260))

**Creating a Sustainable Campus Workshop: Greenhouse Gas Reporting Initiative and Green Building Design Guidelines**
October 21, 2011, 8:45 a.m. – 3:00 p.m. / ESF Campus (408 Baker)
Offered by Kean University in collaboration with the New Jersey Higher Education Partnership for Sustainability (NJHEPS) and SUNY-ESF. This event is free, but registration is required. To see the complete agenda and to register, visit [ku2.eventbrite.com/](ku2.eventbrite.com/)

For a complete calendar of ESF Outreach events, go to: [www.esf.edu/outreach/calendar.asp](www.esf.edu/outreach/calendar.asp)