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ESF Outreach E-news

October Edition

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

Our monthly E-newsletters will now include an "E-Query", a current fact related to our mission and our programs.

E-Query

How many homes can NY wind turbines provide energy for?

In 2008, New York State wind turbines produced 1,251 thousand Megawatt (MW) hours. That is enough to power 113,315 homes (the average annual electric consumption of a home in the United States is 11 MW hours). (Source: U.S. Energy Information Administration)

Upcoming Outreach Programs Include:

- 26th Annual New York State Geographic Information Systems (GIS) Conference
Sunday-Tuesday, October 24-26, 2010
<http://www.esf.edu/nysgisconf/>
- SURE (Sustainable Use of Renewable Energy), 2010: Renewable Technologies and Carbon Cycling
November 3-4, 2010
<http://www.esf.edu/outreach/sure>
- SUNY SPARE (Solar Power As Renewable Energy)
Advanced SPARE: A combination of online study with one in-person class session (Register before 9/27/10)
September 27 – October 28, 2010
<http://www.esf.edu/outreach/pd/spare>
- Green Infrastructure Symposium
November 18, 2010
<http://www.esf.edu/outreach/gi/fall2010>
- Sustainability & Forest Biorefinery IV
November 18-19, 2010
<http://www.esf.edu/biorefineries>

About Us

ESF Outreach offers:

- Professional education conferences and workshops.
- Programs for middle and high school students and teachers.
- Undergraduate and graduate credit courses for non-degree students.

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State University of New York
College of Environmental Science and Forestry

Dr. Rick Beal Speaks at SUNY Cortland

Dr. Rick Beal, Assistant Dean of ESF Outreach was recently invited to speak in an Environmental Geology course at SUNY Cortland. The visit was arranged by Mr. Tim Conners, an adjunct instructor at SUNY Cortland and active member of the Science Teacher's Association of New York State (STANYS). Dr. Beal, a STANYS director-at-large, and Mr. Conners' have, over the past five years, worked together on numerous workshops related to environmental education and teacher professional development. Dr. Beal gave a presentation to 160 students in Mr. Conners' class on the current state of oil and fossil fuel resources using data provided by his colleagues at SUNY ESF and other institutions.

Dr. Neal Abrams Receives Award for Outstanding Technology & Science Outreach

ESF Outreach invites you to join us in congratulating Dr. Neal Abrams, Assistant Professor in the Department of Chemistry at SUNY ESF. Dr. Abrams was the recipient of an award for outstanding Technology and Science Outreach from the Technology Alliance of Central New York (TACNY).

Dr. Abrams has served many roles as a community educator in the field of renewable energy technology. Along with Dr. Rick Beal, Assistant Dean of Outreach at ESF, he developed, manages and instructs a NYSERDA-supported annual summer renewable energy workshop for teachers. Dr. Abrams is also a co-instructor for Solar Power As Renewable Energy (SPARE), a four-day course designed for architects, engineers, contractors, electricians, entrepreneurs, and others interested in learning more about solar power and installation. In the 2009-2010 academic year alone, Dr. Abrams held trainings and workshops regionally and at the annual state-wide STANYS meeting (Science Teachers' Association of New York State), hosted a wind turbine challenge at a summer science camp for students in the Syracuse City School District (SCSD), and executed an intense one-day professional development renewable energy workshop for SCSD technology teachers for subsequent use during a summer energy course for high school students. Dr. Abrams lectures in classrooms across Syracuse and Central New York as part of the ESF in the High School program and will serve as the lead ESF faculty mentor for the new Renewable Energy course being taught at the Syracuse Institute of Technology (SCSD).

Emily Gillis, Project Coordinator, Speaks at Career Connections

Emily Gillis, an Outreach Project Coordinator, was invited to speak on green education programs in Central New York at Career Connections. Career Connections was co-sponsored by 9WSYR Television and CNY Works at the Oncenter in downtown Syracuse on September 23, 2010. This event is for jobseekers, businesses seeking workers, and workers looking into new careers. Emily highlighted ESF's credit and noncredit programs, including ESF Online, SUNY Solar Power As

Renewable Energy (SPARE) and our Green Infrastructure Initiatives.

Green Infrastructure Initiative

SUNY ESF Outreach is pleased to announce the start of our Green Infrastructure Training Program. We are partnering with The Northside Urban Partnership and the Centerstate Corporation for Economic Opportunity to provide this training opportunity to community residents and refugees in the Syracuse area. The 15 trainees hail from all over the world – Bhutan, Burma, Congo, Sudan, Iraq, and the United States, and are learning about stormwater management, landscaping, and designing, building, and maintaining green infrastructure. The purpose of this program is to create a local green-collar workforce, address poverty and unemployment in an underserved urban population, improve local neighborhood physical infrastructure, and promote environmentally sustainable practices and development. For more information about this and other green infrastructure initiatives at SUNY ESF Outreach, please check out our website:

<http://www.esf.edu/outreach/gi>

Green Infrastructure Symposium 2010: Growing Green Infrastructure in New York State

Want to learn more about green infrastructure? We will be hosting a Green Infrastructure Symposium "Growing Green Infrastructure in New York State" on November 17th and 18th in partnership with the Environmental Finance Center at Syracuse University. Please check the Symposium website for more information: www.esf.edu/outreach/gi/fall2010

**For a complete listing of ESF Outreach events,
please visit our calendar at:**

<http://www.esf.edu/outreach/calendar.asp>

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