

Monthly CREW Update: August 2010

Here is an update on recent, current, and upcoming activities and opportunities.

1. Thanks to over 70 attendees from over 25 companies and institutions who attended and participated in our 2nd annual CREW symposium on August 13, 2010, which was held at the Colorado School of Mines. Ron Lehr of the American Wind Energy Association gave a very interesting keynote talk about market and policy issues for wind. And four CREW faculty and researchers, Dan Kaffine (CSM), Ken Jansen (CU), Yelena Pichugina (CU/NOAA), and V. Chandrasekar (CSU), gave highlight talks on topics ranging from the economics of wind to turbine modeling to atmospheric sciences.

2. Welcome to NRG Systems (<http://www.nrgsystems.com>)! We are excited that NRG Systems has joined CREW in August 2010, and we look forward to further discussions and interactions with NRG Systems on research and educational collaborations.

3. Our first CREW seminar for this academic year will be at 5pm on Tuesday, August 31, in ECCS 1B12 in the CU Engineering Center. Professor Michael Amitay from Rensselaer Polytechnic Institute will give a talk on "Flow Control for Fluid/Thermal Systems, Test Case: Vibration Control of Wind Turbine Blades." More details of the talk can be found at:

http://crew.colorado.edu/Newsroom/Events/2010Fall_Seminar1_MichaelAmitay_RensselaerPolyTechInst_Aug31.pdf

4. Please mark your calendars for our CREW seminars for the rest of Fall Semester for 4pm on October 1, November 5, and December 3. These are the first Fridays of October through December. (Note that these seminar times have changed, due to room scheduling issues with classes, since the times were first announced in the April 2010 CREW update.) More details about each of our seminars will be posted at our crew.colorado.edu website when the information is available.

5. As mentioned at the CREW symposium and in a couple of the recent CREW monthly updates, a number of CREW faculty and researchers are working hard on a full proposal (due in September 2010) for the NSF IGERT (Integrative Graduate Education and Research Traineeship) Program. Our CREW IGERT proposal outlines our plans to establish a new interdisciplinary graduate program to educate the future workforce in the science, technology, and societal implications of the fast-developing area of wind energy. We continue to seek industrial involvement in our proposal. If your company is interested in participating and has not yet provided a letter of support and commitment, please feel free to contact Florence Bocquet, our CREW Managing Director, at florence.bocquet@colorado.edu for more information about our proposal and ways that industry can be involved.

6. The next Sustainable Energy and Atmospheric Sciences Seminar will be on the Energy-Water Nexus and will be held 3pm-4:30pm on August 26 at the David Skaggs Research Center (NOAA Building on Broadway, just south of the CU-Boulder campus)

in Room GC402. A panel discussion will follow from 4:30pm to 5pm. Speakers include Jordan Macknick from NREL who will talk on "Concentrating Solar Power and Water Usage" and Lawrence Flowers of NREL who will talk on "Wind Energy and Lack of Water Usage." If you plan to attend and do not work at NOAA, please contact Holly Palm (Holly.Palm@noaa.gov) at least one day in advance, so that she can give your name to the security office to facilitate your entrance to the campus. Visitors must have photo identification. International attendees are required to present a passport. Please aim to arrive by 2:30 or so, to allow time to get through security, and then enjoy coffee and cookies while meeting your old and new wind-energy colleagues.

7. There will be a Wind Power Meteorology session at the Fall American Geophysical Union meeting, to be held during Dec 13-17, 2010 in San Francisco, CA. Topics that may be covered in the session include wind resource assessments, short-term wind forecasting, atmospheric modeling for power grid integration efforts, physics of flow over complex terrain, physics of flow over canopies, offshore PBL modeling, remote sensing for resource assessment, turbulence-turbine interactions, turbine micro-siting, turbine wake modeling, effects of wind farms on local microclimates, effects of climate change on wind energy production, and resource assessment for high-altitude wind energy generation. Those interested are invited to attend the meeting. General information on the meeting can be found at <http://www.agu.org/meetings/fm10/>. The session chairs Sukanta Basu (sbasu5@ncsu.edu), Julie K. Lundquist (julie.lundquist@colorado.edu), and Jim McCaa (jmccaa@3tiergroup.com) may also be contacted for more information.

8. CSU is assisting with this year's Raptor Research Foundation (RRF) conference in Fort Collins, Colorado, which will include a special session on Raptors and Energy Development. The purpose of this special session is to address energy impacts to raptors including power line electrocutions, power line collisions, and wind turbine collisions. Raptor disturbance and nest management will also be addressed. The Raptors and Energy session will be held all day on Saturday, September 25, and more conference information can be found at <http://www.rmrp.info/RaptorsEnergyDevel.htm>.

9. The British Council launched a UK-US New Partnerships Fund, a \$500,000 program to develop new strategic links between British and American higher education institutions. The UK-US New Partnerships Fund will fund up to 20 projects with up to 20,000 pounds in seed money to help establish collaborations between new partners, expand co-operations between existing partners, or pilot UK-US collaborations with third countries, such as India and China. Priority will be given to partnerships in the science, technology, engineering, mathematics and medical fields; although proposals demonstrating innovative and interdisciplinary approaches will also be welcomed. The fund will also provide travel grants to UK higher education staff exploring partnership opportunities with US institutions. The deadline for applications is October 31, 2010. More information can be found at <http://www.britishcouncil.org/usa-education-partnerships>.

Hope everyone is having a great start to the Fall semester!