

## **Monthly CREW Update: February 2011**

Here is an update on upcoming activities and opportunities:

1. Unfortunately, due to the snow and poor road conditions, we had to cancel the January 31 CREW seminar by Professor Mark Balas from the University of Wyoming. We will re-invite Professor Balas to give a future CREW seminar.

2. Our next CREW seminar will be given by Professor Daniel Zimmerle of CSU's Mechanical Engineering Department. Professor Zimmerle will talk to us about "Control of Wind Transients in Small Island Power Systems" at 2pm on Monday, February 28, in Room B101 of the Natural Environmental Sciences Building at CSU. More information, including an abstract and directions and parking information, can be found at

[http://crew.colorado.edu/Newsroom/Events/2011Spring\\_Seminar2\\_DanZimmerle\\_CSU\\_Feb28.pdf](http://crew.colorado.edu/Newsroom/Events/2011Spring_Seminar2_DanZimmerle_CSU_Feb28.pdf)

3. Our March CREW seminar will be given by Brad Cochran of CPP Wind, at 2pm on Monday, March 28, at CSU. The seminar announcement will be sent out soon, and the information will also be posted to our website: <http://crew.colorado.edu>

4. There has been an enthusiastic response to the NREL/CREW workshop (<http://crew.colorado.edu/node/15>) on NREL-developed wind turbine design tools, which will be held on Friday, March 4, 2011, 9am-5pm, on the CU-Boulder campus. The registration has now closed for the workshop, with the workshop nearly reaching the capacity of 50 registrants. This and other workshops will be held again in the future, pending interest and availability of instructors.

5. The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) has recently released several Funding Opportunity Announcements (FOAs):

a. U.S. Wind Power: Next Generation Drivetrain Development (DE-FOA-0000439). Advances in drivetrain technologies are expected to have a direct effect on capital costs, operation and maintenance costs, replacement costs, and/or lifetime energy production. DOE seeks projects that will produce conceptual designs and conduct risk reduction analyses for innovative, next generation drivetrain systems. Letters of intent are due March 7, 2011, and proposals are due April 1, 2011. More information can be found at:

[http://www1.eere.energy.gov/financing/solicitations\\_detail.html?sol\\_id=381](http://www1.eere.energy.gov/financing/solicitations_detail.html?sol_id=381)

and

<https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0000439&agency=DOE>

b. U.S. Offshore Wind: Removing Market Barriers (DE-FOA-0000414). This FOA will fund research activities to address market barriers limiting the deployment of offshore wind energy projects in the United States. DOE will fund specific social, environmental and technical analysis, as well as engineering and planning activities. Letters of intent are due March 11, 2011; pre-proposals are due March 25, 2011; and full proposals (by invitation only) are due June 10, 2011. More information can be found at:

[http://www1.eere.energy.gov/financing/solicitations\\_detail.html?sol\\_id=379](http://www1.eere.energy.gov/financing/solicitations_detail.html?sol_id=379)

and

<https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0000414&agency=DOE>

c. U.S. Offshore Wind: Technology Development (DE-FOA-0000415). DOE will support the development of critical technologies lowering cost of energy and enabling the safe and responsible deployment of offshore wind energy through competitive cost-sharing initiatives. DOE is seeking proposals which address Technology Development through Modeling and Analyses Tools to Assess Offshore Wind Technologies and Innovative Hardware System Concepts. Pre-proposals are due April 1, 2011, and full proposals (by invitation only) are due June 17, 2011. More information can be found at:

[http://www1.eere.energy.gov/financing/solicitations\\_detail.html?sol\\_id=380](http://www1.eere.energy.gov/financing/solicitations_detail.html?sol_id=380)

and

<https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0000415&agency=DOE>

**6.** Frontier Wind has a Control System Engineer position open at its Rocklin, California (Sacramento area) facility. The Control System Engineer will develop cutting edge wind turbine aerodynamic control solutions including model predictive control supported with a technical roadmap. For more information and to apply, go to:

<http://jordansitter.com/blog/2010/11/10/career-opportunity-control-system-engineer-frontier-wind/>