



## *Monthly CREW Update*

*December 2012*

Here is an update on past and upcoming activities as well as opportunities:

### 1. LinkedIn group

CREW is on LinkedIn, so feel free to join us there as well. Various updates will be posted. The CREW LinkedIn page is:

[http://www.linkedin.com/groups/Center-Research-Education-in-Wind-4005766?gid=4005766&trk=hb\\_side\\_g](http://www.linkedin.com/groups/Center-Research-Education-in-Wind-4005766?gid=4005766&trk=hb_side_g)

The LinkedIn logo, consisting of the word 'LinkedIn' in a blue sans-serif font with a blue square containing a white lowercase 'in' to the right.

### 2. CREW Seminar Series

On December 7, 2012, Jay Diffendorfer of Rocky Mountain Geographic Science Center, USGS gave a presentation titled “Understanding and minimizing wind energy-environment interactions.” Dr. Diffendorfer started by presenting an overview of basic but important facts related to analyzing and addressing the large-scale energy-environment interactions, in particular with respect to wildlife. Two interesting work that were also discussed here were the mapping of surface disturbance (per energy produced) using a number of actual wind farm facilities and the detailed mapping of wind turbines in the U.S. Dr. Diffendorfer concluded his talk with a brief list of next research steps and by inviting your inputs on those various large-scale projects.

If you have missed the talk, you can view the recording on the CREW YouTube channel:  
<http://www.youtube.com/watch?v=qDpKIWXCAik>

If you have missed any previous Fall 2012 seminars, you can view the recordings here:  
<http://crew.colorado.edu/SeminarRecordings>

### 3. CREW Seminar Series

The Spring 2013 seminar series will be hosted at CSU. Stay tuned! And as in the past, the seminars will be broadcast live.

Should you have any suggestions for speakers or topics of discussion for the future seminar series, we would like to hear from you! Please contact Sid Suryanarayanan at [ssuryana at mail dot colostate dot edu](mailto:ssuryana@mail.colostate.edu) with your suggestions.

**4. CREW-sponsored senior Capstone competition during Spring 2013**  
Are you interested in Wind Energy, Forecasting, Mathematics, and Statistics?  
Are you a graduate student?

CREW is sponsoring a forecasting competition for students at Colorado School of Mines (CSM), University of Colorado at Boulder (CU-Boulder) or Colorado State University (CSU). The course will be during the Spring semester 2013. For more information, please see: [http://crew.colorado.edu/CapstoneCompetition\\_Spring2013](http://crew.colorado.edu/CapstoneCompetition_Spring2013) . For questions, please contact Amanda Hering of CSM: [ahering@mines.edu](mailto:ahering@mines.edu)

**5. NREL is holding its 2<sup>nd</sup> workshop on Wind Energy Systems Engineering** on January 29-30, 2013 with some follow-on meetings planned for the 31<sup>st</sup> and 1<sup>st</sup>. The first workshop was held in December 2010 and brought together members from academia, the national laboratories and industry to look at how systems engineering is used and holds potential for support of wind energy system research, design and development. There has been a significant growth of interest in the area since that time, and NREL is excited about again bringing together various world experts in the area of systems engineering with particular applications to wind energy. Below is the save-the-date flier with general information about the event:

[http://crew.colorado.edu/Newsroom/Events/2013-Jan29\\_NREL-WindEnergySystemsEngineeringWorkshop.pdf](http://crew.colorado.edu/Newsroom/Events/2013-Jan29_NREL-WindEnergySystemsEngineeringWorkshop.pdf)

Formal registration instructions and information about poster abstract submission will be coming soon.



**6. UMass Amherst was awarded an NSF IGERT in Offshore Wind Energy** in August 2011. IGERT is an interdisciplinary training grant that will fund 24 PhD students over 5 years, in areas spanning engineering, environmental science, policy, and economics as they relate to offshore wind. We are now in the process of recruiting IGERT fellows for next fall, 2013 and beyond. Students must be a U.S. citizen or green card holder. While having a master's degree already is a plus, it is not a requirement. Experience in wind energy is a big plus, as is an interest in interdisciplinary research. We are also especially trying to attract underrepresented minorities and women applicants. Interested students can find information on the application process in the link below. Students are also encouraged to contact faculty (listed on our website) that they would be interested in working with.

<https://windenergyigert.umass.edu/apply>

Deadline for Fall 2013 enrollment: February 1, 2013.



**7. The Hydro Research Foundation is announcing the 2013 Fellowship Program.** This coming year the Foundation will fund up to 8 fellowships to graduate students: 12- to 18-month fellowships worth \$46,400 to \$79,600 and are open to graduate students who will complete their Masters degree or post-Masters research by December 30, 2014. More



information can be found here: <http://www.hydrofoundation.org/fellowshipBro.html>  
Application deadline: March 1, 2013.

**8. The 5<sup>th</sup> Annual Green Technologies Conference** announces "Rethink, Reimagine and Recreate Energy Technologies" on Thursday Apr 4, 2013 and Friday Apr 5, 2013 in Denver, Colorado. Some important dates:

- Submission Deadline: Dec 15, 2012
- Notification Due: Dec 20-30, 2012
- Final Version Due: Jan 20, 2013

For example of topic areas of interest and much more information, please visit:

<http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=25046&copyownerid=41283>

For the latest information, please check the Green Technologies Conference website:

<http://www.ieeegreentech.org>

**9. Please alert students, recent graduates, and colleagues to the following opportunity:**

- a. Earth-related job search engine: EarthWorks is an extensive listing of physical science jobs. Numerous categories of interest: Renewable Energy, Electrical Engineering, Environmental Engineering, Climate/Atmospheric Science, etc. Please visit: <http://www.earthworks-jobs.com/>

I hope you all have a great Holiday Season!

(If you wish to unsubscribe from our emailing list, please email Bernita Kelley at [Bernita dot Kelley at colostate dot edu](mailto:Bernita_dot_Kelley_at_colostate_dot_edu))

