

## **Monthly CREW Update: September 2011**

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

**1.** Our CREW seminar series started off with a well-attended presentation by Dr. Sue Haupt of NCAR who talked about NCAR's integrated wind forecasting model DICast to provide reliable wind power prediction. Dr. Haupt also showed how NCAR uses up to five forecasting models at different resolution to deliver day-ahead and short-term forecasting as well as wind power assessment to its best.

**2.** The next CREW seminar will take place on October 7, 11am-12pm with Dr. Shawn Sheng of NREL who will discuss some condition monitoring issues. The remaining seminars for the Fall semester will take place on Nov. 11 (with Larry Flowers of AWEA) and Dec. 9 (with Yuji Yatomi of Mitsubishi), 11am-12pm. The CREW seminars will take place in room ECCS 1B14 (CAETE studio) at the CU Engineering Center. The CREW seminars will also continue to be broadcast live. Don't forget to join us on Oct. 7 with Dr. Sheng!

**3.** This Fall 2011 semester, a new course on "Environmental Signal Processing" is offered at the University of Colorado at Boulder. The course is also broadcast (live broadcast), and will come with an extensive lecture slide set. The flyer can be found at: [http://crew.colorado.edu/Newsroom/News/Course\\_CU\\_ECEN-5004\\_EnvironmentalSignalProcessing\\_Aug22-11.pdf](http://crew.colorado.edu/Newsroom/News/Course_CU_ECEN-5004_EnvironmentalSignalProcessing_Aug22-11.pdf)

**4.** Other webinar: "What are the prospects for wind power development through 2012 and beyond?"

Date: 29 September 2011, 10:00 EST, 15:00 GMT, 19:00 UAE

Duration: 1 hour

<http://mail.elsevier-alerts.com/go.asp?/bEEA001/mYY22H3F/u42LU92F/xHA4RI3F>

**5.** Call for Papers: contributions are invited for a special issue of the IEEE Transactions on Control Systems Technology, devoted to the topic of control applications in wind energy. The objective of this special issue is to illustrate the potential of control engineering, in its broader sense, to advance the state of the art of wind energy, by producing significant improvements in many aspects of this field. For more info:

[http://crew.colorado.edu/Newsroom/News/CallForPapers\\_IEEE\\_TCST\\_June17-11.pdf](http://crew.colorado.edu/Newsroom/News/CallForPapers_IEEE_TCST_June17-11.pdf)

The deadline for paper submission will be December 15, 2011.

**6.** The World Renewable Energy Forum (WREF) will be hosted in Denver, May 13-20, 2012. NREL will be working closely with the World Renewable Energy Congress to

support WREF 2012, and the three Colorado universities will also be deeply involved. Even though the abstracts are not due until December 2011, the 1st announcement for Call for Abstract has been published. Please click here for more information:

[http://crew.colorado.edu/Newsroom/News/CallForAbstracts\\_WorldRenewableEnergyForum-2012.doc](http://crew.colorado.edu/Newsroom/News/CallForAbstracts_WorldRenewableEnergyForum-2012.doc)

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

- a. The University of Minnesota has an open position in the renewable energy area created to span the interests of the Mechanical Engineering Department and the Saint Anthony Falls Laboratory. Since wind energy involves both ME and SAFL, wind power candidates would be ideal for this position. Please see the position description here: <http://www.me.umn.edu/search/index.shtml>
- b. DNV Renewables (USA) Inc. is seeking a Head of Section (HoS) who will lead a team in providing wind related due diligence and consulting services to clients. The primary activities for the HoS will include overall management of the unit including employee management; project and resource management; quality; safety; marketing, sales, and customer service activities in coordination with Customer Service Managers and Business Development Leaders; financial management; and reporting. For more information about the position, please go to:  
<https://dnvna.tms.hrdepartment.com/jobs/497/Head-of-Section-Wind-Due-Diligence-and-ConsultingSeattle-WA>
- c. \*Outreach opportunity\* Boulder Valley's seven high schools offer a class for seniors who are highly interested in science. The purpose of this class is to provide an opportunity for students to pursue independent scientific research. This program called the Science Research Seminar Program does not need to take a ton of your time as many students can do their own research at their prospective high schools, only contacting you for advice in procedure design and analysis of data. For more information on the program, please visit:  
<http://bvsd.org/researchseminar/Pages/mentoring.aspx> And/or contact Kristin Donley at [kristin.donley@bvsd.org](mailto:kristin.donley@bvsd.org)
- d. The R&D team of Alstom Wind in Richmond, VA is looking for new hires. For more info, please check the links below, and/or contact Aaron Leap, [aaron.leap@power.alstom.com](mailto:aaron.leap@power.alstom.com) , who is the Alstom HR contact person.

Senior Wind R&D Engineer

[http://www.jobtarget.com/c/job.cfm?vnet=0&site\\_id=770&jb=8467614](http://www.jobtarget.com/c/job.cfm?vnet=0&site_id=770&jb=8467614)

Controls R&D Engineer

[http://www.jobtarget.com/c/job.cfm?keywords=alstom&vnet=0&max=25&site\\_id=770&jb=8467772](http://www.jobtarget.com/c/job.cfm?keywords=alstom&vnet=0&max=25&site_id=770&jb=8467772)

Electrical R&D Engineer

[http://www.jobtarget.com/c/job.cfm?keywords=alstom&vnet=0&max=25&site\\_id=770&jb=8420059](http://www.jobtarget.com/c/job.cfm?keywords=alstom&vnet=0&max=25&site_id=770&jb=8420059)

Senior Product Documentation Engineer

[http://www.jobtarget.com/c/job.cfm?keywords=alstom&vnet=0&max=25&site\\_id=770&jb=8467688](http://www.jobtarget.com/c/job.cfm?keywords=alstom&vnet=0&max=25&site_id=770&jb=8467688)

- e. The National Renewable Energy Laboratory (NREL) in Golden and Boulder, CO is looking to hire several senior-level engineers and post-docs who will be working in the wind turbine modeling group at NREL. Interested applicants should go to [http://www.nrel.gov/employment/job\\_openings.html](http://www.nrel.gov/employment/job_openings.html), select “Search Openings”, and search for positions in Center Office Number “5000”.
- f. The National Renewable Energy Laboratory (NREL) in Golden and Boulder, CO, is looking to hire a postdoctoral researcher in wind-turbine structural modeling. Interested applications can find more information and apply online at the NREL jobs page: [http://www.nrel.gov/employment/job\\_openings.html](http://www.nrel.gov/employment/job_openings.html) under the requisition number 2147BR.

And, into the Fall!