

## **Monthly CREW Update: April 2010**

Here is a brief update on our recent and upcoming activities:

**1.** Julie Lundquist, who is an Assistant Professor in CU's Atmospheric and Oceanic Sciences Department and also has a joint appointment with NREL, gave an excellent talk on "Harnessing the Power of the Wind" at our final CREW seminar of this academic year on April 26, where she discussed the importance of accurate forecasts of wind and atmospheric conditions.

**2.** Our CREW seminars will resume in Fall 2010 and will be held on the last Tuesday of each month (Aug 31, Sep 28, Oct 26, and Nov 30) at 4pm in Room ECCS 1B28 at the CU Engineering Center (same room as this past year). The CREW seminars will also continue to be broadcast on the web as we've done so far this year. I'd especially like to thank CU's CAETE (Center for Advanced Engineering and Technology Education) for helping us set up the broadcasts for each seminar.

**3.** Please mark your calendars and plan to join us at our 2nd annual CREW symposium on Friday, August 13, 2010 at the Colorado School of Mines. We will send out more information about the symposium over the next couple months. The symposium will include sessions open to all where we will provide an update of our CREW activities, and there will also be sessions geared for our CREW member companies to discuss initial results on the three CREW shared research projects (announced last month) which are being launched this June 2010.

**4.** We submitted a pre-proposal for the NSF IGERT (Integrative Graduate Education and Research Traineeship) Program at the end of March. Due to new NSF rules, we were only allowed to list 20 faculty participants on this proposal (whereas the old rules only limited the listing to one page, and we were able to list approximately 40 faculty in our previous CREW IGERT efforts). With the new rules, a core team of 20 active faculty participants worked on and submitted the IGERT pre-proposal this year. This is a tough competition, and I imagine in the "energy" area that the competition is tougher this year than in the last few years, but we'll keep our fingers crossed that we are invited to the full proposal stage. If ultimately successful, we hope that students and faculty throughout CREW will take and participate in the proposed wind energy courses and workshops that we will develop.

**5.** Congratulations to V. "Chandra" Chandrasekar, who is a Professor of Electrical and Computer Engineering at CSU, on being named Finland Distinguished Professor and awarded \$1.5 million for collaborative research with the University of Helsinki and the Finnish Meteorological Institute in developing Earth- and space-based remote sensing systems, which can be used to improve weather prediction.

**6.** The newly formed Joint Institute for Strategic Energy Analysis (JISEA) is pleased to announce its first research funding opportunity. JISEA has been created by NREL and the partner institutions of the Alliance for Sustainable Energy, which include MIT, Stanford University, CU, Colorado School of Mines, and Colorado State University.

This inaugural JISEA Innovative Research Award Program will provide funding for collaborative teams that include team members from at least two of the partners noted above. Proposals (consisting of a 3-page proposal, summary budget, and CVs) are due May 17, and winning teams can expect to receive funding by mid-July. More information can be found at [http://www.jisea.org/research\\_award\\_program.cfm](http://www.jisea.org/research_award_program.cfm) . Accepted projects will focus on analytical research that works toward a more sustainable global energy economy. If you would like to learn more about this opportunity or the application process, JISEA is also offering a special Seminar (with limited Web access) from 3-4 pm on Monday, May 3, in NREL Building 3, Room 170. To join the online meeting:

1. Go to

<https://mmancusa.webex.com/mmancusa/j.php?ED=135725007&UID=1122837627&PW=NYjRhMmE3MDJm&RT=MiM2>

2. Enter your name and email address.

3. Enter the meeting password: jisea0503

4. Click "Join Now".

To join the teleconference only:

Call-in toll-free number: 1-866-692-3158 Call-in number: 1-203-418-3123 Participant Code=4039696

7. The 2010 ConocoPhillips Energy Prize program will award up to \$300,000 in cash prizes to further the development of innovative ideas and solutions in three areas: (i) Developing new energy sources, including new ways to develop alternative energy, (ii) Improving energy efficiency, such as new methods to significantly reduce the amount of energy consumed in the United States, and (iii) Combating climate change, including solutions that reduce greenhouse gas emissions. Those interested should submit a proposal of no more than 2,000 words by May 21, 2010. The winner will receive \$125,000; the first runner-up will receive \$75,000; the 2<sup>nd</sup> runner-up will receive \$50,000. Other finalists receive \$25,000. For more information, go to <http://www.conocophillips.com/EN/tech/energyprize/Pages/index.aspx>

8. Last month, I mentioned materials scientist job opportunities at Nordic Windpower in Berkeley, CA. Nordic Windpower continues to hire, and they are also looking for a loads analyst and an aerodynamicist who will be likely located in South Texas. Requirements include BS (MS preferred) in Engineering; 5+ years of experience with the use of Bladed modeling software for loads design and optimization of MW scale turbines. For more information, please contact Chandler Young, Senior Partner, Concept Corporation, 415-781-2626, [chandlery@conceptc.com](mailto:chandlery@conceptc.com) .

Hope the end of the semester is going well for everyone!