

Monthly CREW Update: May 2010

Here is a brief update on our recent, current, and upcoming activities.

1. CREW is being represented at WindPower by Wade Troxell (Interim CREW CSU Site Director) and Geraldine Fritsch (CSM PhD student). The WindPower Conference & Exhibition is being held in Dallas, TX during May 23-26 and is expected to host over 20,000 attendees and over 1,200 exhibitors. CREW brochures can be found at the NREL/US Department of Energy booth #5820.

2. NCAR's Mesoscale & Microscale Meteorology Division is hosting a seminar on "The Role of Boundary Layer Turbulence Research in Wind Resource Calculations" by Keith Ayotte, Chief Technical Officer of Windlab Systems, on June 1 at 10:30am at the FL2 Auditorium at 3450 Mitchell Lane at NCAR's Foothills location in northeast Boulder. For more information, see <https://www.nesl.ucar.edu/events/upload/abstract100737.pdf>

3. As mentioned in the last CREW update, please plan to join us at our 2nd annual CREW symposium on August 13, 2010 to be held at the Colorado School of Mines. The symposium will include morning sessions open to all, where we will provide an update of our CREW activities. A tentative agenda for this is as follows:

8:30am Registration, Coffee, Networking time
9:00am Welcome and Introductions
9:30am General update on CREW
10:00am Highlights of selected active projects of faculty/researchers in CREW
10:30am Break
10:45am Continuation of 'Highlights of selected active projects of faculty/researchers in CREW'
11:30am Discussion, comments, suggestions on CREW activities
12:00pm Poster session

The afternoon of the symposium will include sessions geared for our CREW member companies to discuss initial results on the three CREW shared research projects.

A tentative agenda for this is as follows:

12:30pm Lunch, CREW member company attendees and active CREW faculty and researchers
1:30pm Shared research project presentations:
- Coupled structural dynamic-aerodynamic behavior of multiple turbines: influences within large wind farms
- Feasibility study of control of novel active coating materials for preventing icing on wind turbine blades
- Measurement of aeroacoustic noise generated on a wind turbine blade and potential mitigation devices
3:30pm Break
3:45pm Closing session of feedback, suggestions, etc. from CREW industrial advisory board
4:45pm Concluding remarks

We will be sending out more information about the symposium over the next couple months.

4. Congratulations to CREW faculty member Frank Barnes, who is a Distinguished Professor of Electrical, Computer, and Energy Engineering at CU, for being a member of the team that has been awarded funding for their proposal on "Strategic Training in Networking for Power Systems." Other team members are Timothy Brown (PI), Ewald Fuchs, Jose Santos, and Mario Vidalon, and the \$2.7 million project will build a sustainable graduate engineering program with a focus on networking, wireless communications, and cyber security within electric power systems. The courses they are developing will be offered, starting this Fall 2010, via CAETE (caete.colorado.edu) and students throughout CREW are welcome to take these courses.

5. There is an opening for a postdoctoral candidate at the National Renewable Energy Laboratory's National Wind Technology Center to investigate atmospheric impacts on wind energy. The postdoctoral researcher will perform research in collaboration with NREL, the University of Colorado, and other industry and national laboratory partners. Research foci include characterization of the atmospheric boundary layer with in situ and remote sensing instrumentation, as well as characterization of turbine wakes with remote sensing instrumentation. To be eligible for a postdoctoral position at NREL, one must be a recent PhD graduate (within the last three years) by the time of hire (ideally summer/fall 2010). More information about this position and the application procedure is available via posting 1329BR at http://www.nrel.gov/employment/job_openings.html .

6. Vestas has an opening for a Material Specialist in Denver, CO. Requirements include knowledge of polymer and fiber-reinforced polymer and casting. MS preferred, with 2 to 5 years of experience. For more information, go to: http://jobview.monster.com/GetJob.aspx?JobID=86544041&aid=84418592&WT.mc_n=JSAHG10

Hope everyone is enjoying the nice spring weather!