

Monthly CREW Update: November 2011

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

1. Our CREW seminar series continued with a presentation by Larry Flowers of AWEA who talked about “Wind Energy: Colorado \$4B+ Opportunity.” Larry Flowers started with the fact that “...there is another dimension to the solution besides the technology, there is an institutional piece, a social piece.” He thus talked about markets and some economics issues to capture this “\$4B opportunity for CO”, and highlighted the fact that there is an enormous wind resource in the US that is renewable, in our backyard! His group conducted a market analysis on jobs and economic impacts and the outcome showed a \$4B opportunity in CO in the next 20 years –if the various stakeholders work together– this also includes that blade manufacturing developing in CO gets used locally. Finally, Larry Flowers pointed out the current key issues for wind power that need to be address.

2. The last CREW seminar for the Fall semester will take place on December 9, 11am-12pm with Yuji Yatomi of Mitsubishi who will discuss about “Wake Effect and Sudden Wind Gust have on Wind Turbine Durability”. The CREW seminars take place in room ECCS 1B14 (CAETE studio) at the CU Engineering Center. The CREW seminars will also be broadcasted live. Please join us!

3. We are happy to announce that the Spring 2012 seminar series will take place at Colorado State University (room Routt Hall) at 10:00am-11:00am. On the following dates, here will be our speakers:

- Jan. 20, 2012 - Dr. Anand Mylapore, MassTech Inc.

- Feb. 10, 2012 - Prof. Mark Balas, University of Wyoming:

<http://wwweng.uwyo.edu/electrical/faculty/balas/>

- Mar. 9, 2012 - Prof. Wei Qiao, University of Nebraska-Lincoln:

<http://engineering.unl.edu/academicunits/electricalengineering/faculty-staff/weiqiao.shtml>

- Apr. 13, 2012 - Prof. Dionysios Aliprantis, Iowa State University:

<http://home.eng.iastate.edu/~dali/research.html>

As in the past, our seminars will be broadcast live!

4. 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

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

5. Spreading the word about a film screening at the 16th Denver Jewish Film Festival about two communities, Israelis and Palestinians, finding common interest in harvesting wind energy:

Film title: The Human Turbine

Director: Danny Verete

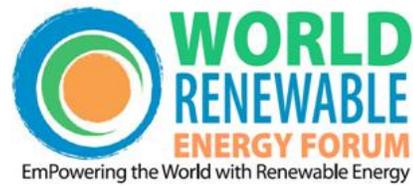
When: Wednesday, Feb. 29, 5:30 pm (length: 54 min)

2010/Israel/Hebrew and Arabic with English Subtitles

Tickets will be on sale late December. For more information, please visit:

<http://www.maccjcc.org/film/2012-jewish-film-fest/>

6. Call for Papers: The World Renewable Energy Forum (WREF) will be hosted in Denver, May 13-17, 2012. WREF 2012 will be the premier international renewable-energy conference of the year! 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. Please click here for more information: www.wref2012.org
Submission deadline for abstract or forum proposal: December 15th, 2011.



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

a. New NREL Postdoctoral Position: the Director's Fellowship. The fellowship is being sponsored by the laboratory. This is a new opportunity that has been championed by the Fellows Council. One or two new fellowships each year will be sponsored. The NREL Director's Fellowships are designed to attract the next generation of exceptionally qualified scientists and engineers with outstanding talent and credentials in renewable energy research and related disciplines. Candidates must be a recent PhD graduate (within 3 years of completion), and demonstrate a promising career of leadership and research. More information is available on the NREL website at:

http://www.nrel.gov/rpp/directors_fellowship.html

This position will be highly sought after and very competitive. It would be great to garner one of these fellowships to support an innovative research effort in wind or marine energy to address an important topic that the programs are not currently interested in.

Deadline: December 30th, 2011.

b. Penn State University is in an immediate need of a talented postdoctoral researcher who would like to join a team of students and professors to develop a state-of-the-art High Performance Computing (HPC) wind turbine "facility." This is an exciting program that will put the researcher in a leadership position with strong collaborations at government labs, with industry partners and with colleagues at other universities. For more information on the position, please visit:

<http://crew.colorado.edu/Jobs>

- c. Vestas Wind Systems has several career opportunities to offer: Converter Control Engineer, Control Systems Engineer, Product Transition Engineer, Specialist Performance and Trading Optimization PDA, System Architect, Wind Park Control Engineer, and Sensor Design and Electronics Engineer.
For more information on all the above positions, please visit:
<http://crew.colorado.edu/Jobs>
For more information about Vestas Wind Systems, please go to www.vestas.com
- d. 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>
- e. 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>
- f. *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
- g. 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, select "Search Openings", and search for positions in Center Office Number "5000".

I hope you had a fabulous Thanksgiving!