CREW Center for Research and Education in Wind

CREW Seminar Series: Spring 2010

Wind Energy Research at the National Wind Technology Center

Abstract
Dr. Felker will review the past, present and future R&D activities of NREL's National Wind Technology Center. The seminar will review the Center's work in wind turbine technology development, turbine and component testing, outreach activities of the Wind Powering America program, and the renewable systems grid integration program.

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By **Fort Felker from NREL**

On **Monday, March 29, 2010, at 2:00pm**

In **Room ECCS 1B28**

(CAETE studio, Engineering Center, University of Colorado at Boulder)

Refreshments will be available at 1:45pm

Fort Felker
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Prior to becoming director of NREL's National Wind Technology Center in 2009, Fort Felker was the co-founder and vice president of Winglet Technology LLC, a company that commercialized his patented design of "elliptical winglets" for business aircraft. Elliptical winglets reduce drag and fuel consumption, improving the range and takeoff performance of aircraft. Before his 6-year stint as an entrepreneur, Felker was an engineering analyst at Lawrence Livermore National Laboratory where he developed the underlying theory and computational modeling for the hypersonic flow about re-entry vehicles undergoing extreme maneuvers. From 1994-1996, Felker worked in senior engineering positions at Kenetech Windpower. As manager of engineering modeling, he was responsible for developing wind turbine engineering analysis tools. Later as director of engineering analysis and test, he played a key role in the development of the KVS-45 wind turbine, and led a team of engineers and technicians in the testing of large wind turbine systems. His early experience includes nine years with NASA Ames Research Center and six years with the U.S. Army Research and Technology Labs, working on rotorcraft analysis and testing.

Felker holds one patent and is the author of 29 publications.

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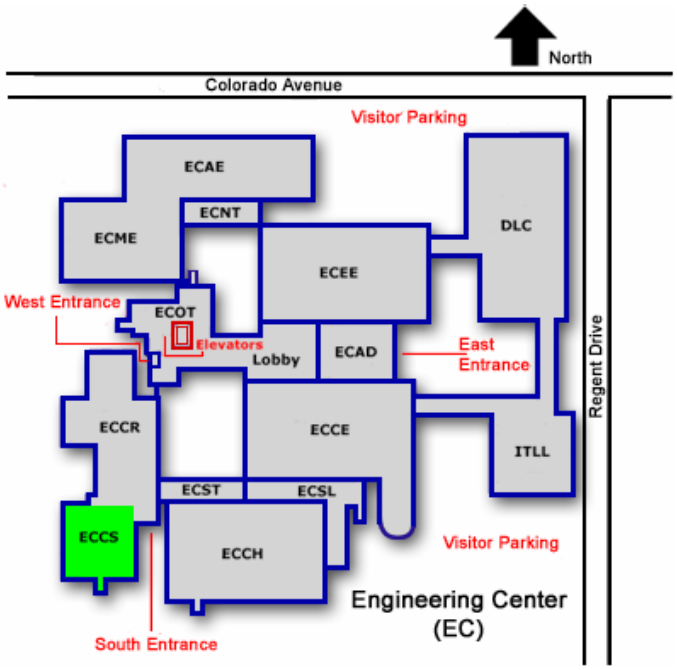
How to get to the CU-Boulder Engineering Center

From 28th Street (Hwy 36), go west on Colorado Ave., which leads into the University. You will see the Engineering Center on the left, one block further along Colorado Ave.
Parking is available at visitor parking lots and nearby meters.



Room **ECCS 1B28** is located in the 1st basement (courtyard level) of the Computer Science Wind (ECCS).

Broadcasting option

While we highly encourage students, faculty and researchers to come attend the seminar in person, the seminar will also be broadcast at the following URL:

URL: http://dimdim.cs.colorado.edu
Meeting code: CREW03292010

Unplanned technical problems are always a possibility, so we apologize in advance. Nonetheless, if technical problems are encountered, please feel free to call Mark Dehus at 303-735-6275.

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