

NREL-Developed Wind Turbine Design Codes Workshop

Hosted by Professor Geir Moe, NTNU

Led by Dr. Jason Jonkman and Dr. Amy Robertson, NREL

Norwegian University of Science and Technology (NTNU)

Room Galleriet 4, in Høgskoleveien 7 (alias 'Byggteknisk') on the Gløshaugen Campus
Trondheim, Norway

September 23, 2010, 9:00 – 16:00

Agenda

9:00 Welcome and Introductions

9:30 Design Codes Overview

9:45 Overview of FAST

10:30 Break

10:45 Overview of the FAST-to-ADAMS Preprocessor, MSC.ADAMS, and other Multi-Body-Dynamics Software

11:15 Overview of the AeroDyn Aerodynamics Module

11:45 Overview of the HydroDyn Hydrodynamics Module

12:15 Lunch

13:15 Summary of Ancillary Tools and Pre- and Post-Processors

13:45 Demonstration of Key Features of FAST

- Time-Domain Simulation
- Simulink Interface

14:30 Break

14:45 Demonstration of Key Features of FAST (cont.)

- Linearization
- FAST-to-ADAMS

15:30 FAST User-Defined Routines and Compiling

16:00 Adjourn