

Forth Joint NOWITECH- NORCOWE Workshop on Wind and Wake Modelling

With results from the NTNU blind test

**CMR, Bergen
10-11 December 2013**

Venue

CMR, Fantoftvegen 38, Bergen

Programme

Tuesday 10 December (Chair: Robert Mikkelsen, DTU)

11:00 – 11:30	Registration	
11:30 – 12:30	<i>Lunch at CMR</i>	
12:30 – 12:40	Welcome	Marwan Khalil (GexCon)
12:40 – 13:10	Summary of BT2 experimental and modeling results.	Lars Sætran (NTNU)
13:10 – 15:30	Measurements and modeling of NREL S826 aerofoil	
13:10 – 13:35	Low Reynolds number measurements of the NREL S826 aerofoil.	Robert Mikkelsen (DTU)
13:35 – 14:00	The Aerodynamic Characterization of NREL S826 Airfoil at Low Reynolds Numbers.	Yashar Ostovan (METU)
14:00 – 14:15	<i>Coffee Break</i>	
14:15 – 14:40	Computational Fluid Dynamics Investigation of NREL S826 Airfoil	İsmail O. Sert (TAI)
14:40 – 15:05	Numerical modeling of the NREL S826 aerofoil	Hamid S. Chivae (DTU)
15:05 – 15:30	Discussion and future prospects.	
15:30 – 15:45	<i>Coffee Break</i>	



15:45 – 17:00	A revisit of blind test #2	
15:45 – 16:10	BT2 revisit	Sasan Sarmast (DTU)
16:10 – 16:35	BT2 revisit	Eirik Manger (Acona)
16:35 – 17:00	Discussion	
19:30 –	<i>Dinner.</i>	

Wednesday 11 December (Chair: Per-Åge Krogstad, NTNU)

08:45 – 09:00 <i>Coffee</i>		
09:00 – 9:30	Summary of BT3 experimental setup.	Per-Åge Krogstad (NTNU)
09:30 – 10:30	Modeling results.	
09:30 – 09:45	Large Eddy Simulations of BT3 using actuator line model	Sasan Sarmast (DTU)
09:45 – 10:00	BT3: CFD Simulations using a moving mesh technique	Eirik Manger (Acona)
10:00 – 10:15	“BT3: CFD simulations with BEM model” by Anders Hall and Ivar Øyvind Sand	Anders Hallanger (CMR)
10:15 – 10:30	CFD modeling of BT3 using actuator disk and BEM model.	Marwan Khalil (GexCon)
10:30 – 10:45 <i>Coffee break</i>		
10:45 – 11:30	BT3 comparison of experimental and modeling results	Per-Åge Krogstad (NTNU)
11:30 – 12:00	Discussion	
12:00 – 13:00 <i>Lunch</i>		
13:00 – 15:00	Discussion and future prospects	Chair: Per-Åge (NTNU)