



## Experts Meeting on Computer Code Validation for Offshore Wind System Modeling

Millennium Harvest House Hotel

Boulder, Colorado

May 15-16, 2012

### Day 1

9:00	9:30	<b>Welcome and Introduction – Walt Musial</b>
<b>Session 1: Data and Testing</b>		
9:30	10:00	<b>Jacob Tornfeldt-Sørensen</b> (DHI) Wave and flow induced forces and the necessity of looking at statistical properties rather than individual waves for irregular seas
10:00	10:30	<b>Kevin Maki</b> (University of Michigan), TBD
10:30	10:45	<b>Break</b>
10:45	11:15	<b>Andrew Goupee</b> (DeepCwind), 1:50 scale model testing of three floating wind turbine platforms for generation of data for numerical model validation
11:15	11:45	<b>Eric Jan De-Ridder</b> (MARIN), TBD
11:45	12:15	<b>Jorgen Jorde</b> (SWAY), Sway experiences on large scale prototype testing
12:15	12:45	<b>Session 1 Discussion</b> (Moderator: Walt Musial)
12:45	1:45	<b>Lunch</b>
<b>Session 2: Procedures</b>		
1:45	2:15	<b>Bonjun Koo</b> (Technip), Tests/data needed to validate floating structures and Model test correlation for floating bodies
2:15	2:45	<b>Qing Yu</b> (ABS), TBD
2:45	3:15	<b>Cesar Vidal</b> (University of Cantabria), The IDERMAR Floating Met-Mast: Numerical Models Validation Campaign using Laboratory and Prototype Data.
3:15	3:30	<b>Break</b>
3:30	4:00	<b>Finn Gunnar Nielsen</b> (Hywind), Experimental validation of offshore wind foundations – can we learn from the offshore oil and gas experience?
4:00	4:30	<b>Jan Muren</b> (4SubSea), Offshore SPAR type structure model development and validation
4:30	5:00	<b>Session 2 Discussion</b> (Moderator: Jason Jonkman)

**Day 2**

8:00	8:15	<b>Welcome Back and Logistics</b>
<b>Session 3: Case Studies</b>		
8:15	8:45	<b>Lin Yifeng</b> (Shanghai Investigation, Design & Research Institute), Simulation, Field Testing & Scale modeling Testing on WGT's substructure and foundation of Donghai Bridge Offshore Windfarm
8:45	9:15	<b>Hyunkyong Shin</b> (University of Ulsan), What are the benefits of tank testing (scale models) versus full scale field test data?
9:15	9:45	<b>Michael Muskulus</b> (Norwegian Research Centre for Offshore Wind Technology), Extreme event computations for floating wind turbines, and the need for test data
9:45	10:00	<b>Break</b>
10:00	10:30	<b>Torben Larsen</b> (Poseidon Project), Experiences with the Poseidon measurement campaign and more
10:30	11:00	<b>Boris Fischer</b> (HiPRwind), HiPRWind: High Power, High Reliability Offshore Wind Technology
11:00	11:30	<b>Antoine Peifer</b> (Principle Power and Marine Innovation and Technology), TBD
11:30	12:00	<b>Session 3 Discussion</b> (Moderator: Amy Robertson)
12:00	1:00	<b>Lunch</b>
1:00	2:00	<b>Future Planning/Wrap-Up Discussion</b> (Moderator: Walt Musial)
2:00	4:00	<b>Tour of National Wind Technology Center</b>