

# Power Curve Working Group Agenda

8th Meeting, **Monday 06 October 2014**, Vaisala, Louisville, Colorado  
Collaborative meeting between the PCWG and IEC Power Curve Technical Committee

## Motivation:

1. To provide an opportunity for the PCWG to engage with working group members in the US.
2. To provide an opportunity for the PCWG and the IEC Power Curve technical committee to exchange ideas.

## Welcome/Registration:

- 09.00 – 09.30 Tea/Coffee and pastries will be available.

## Morning Session: 09:30 – 13:00

- 09:30 - 11:00 PCWG Status Update - Peter Stuart (RES):
  - Role of the PCWG
  - Round Robin Exercises Overview
  - Consensus Implementation of Rotor Equivalent Wind Speed and Turbulence Correction Methods.
  - Guideline/Proposal Documents
  - PCWG Open Source Code & Validation Datasets/Analysis
  - Thoughts/Feedback from US PCWG Members
- **11:00 - 11:30 Presentations Session Part 1**
  - **11:00 – 11:15 Taylor Geer, DNV-GL**, Use of Manufacture specific inputs to refine energy yield predictions,
  - **11:15 - 11:30 Jason Fields, NREL**, “Brief update on the of IEC 61400-15 Standard”
- 11.30 – 11.45 Coffee Break
- **11:45 - 13:00 Presentations Session Part 2**
  - **11:45 – 12:10 Jørgen Højstrup**, Højstrup Wind Energy “The influence of inflow angle on the power curve”
  - **12:10 – 12:35 Rebeca Rivera Lamata & Daniel Pollack Dong Energy**, "Turbulence Intensity measurements offshore for power curve verification and wind resource assessment".

- **12:35 – 13:00 Vera Bulaevskaya, Lawrence Livermore National Laboratory** “Power Curve Modeling in Complex Terrain Using Statistical Models”

## Lunch

- **13.00 – 14.00 Lunch**

## Afternoon Session: 14:00-17:00

- **14.00 – 14.15 Dale Apgar (GE), “Environmental Influences on Turbine Performance Recent Results”**
- **14.15 – 14.30 Scott Sternberg, President, Vaisala Inc, “Welcome”**
- **14:15 - 14:45 Troels Friis Pedersen, DTU, Update on the IEC 61400-12-1 Standard**
- **14:45 - 15:30 Discussion on future collaboration of PCWG and IEC Technical Committees:**
  - How are the roles of two groups distinct?
  - How can PCWG best compliment the activities of the IEC Technical Committees?
- **Coffee Break: 15.30 – 15.45**
- **Discussion Session: 15.45 – 16.45**
  - **Further group discussion**
- **Afternoon Wrap Up: 16.45 – 17.00**

## Venue

The meeting will take place at **Vaisala**, Louisville, Colorado. **Please ask for Barry Logue at reception.**

### **Vaisala Inc.**

194 S Taylor Ave

Louisville, CO 80027

303-499-1701

## Reception

Vaisala Inc. are generously hosting a drinks and appetizers reception at 6pm at the Gordon Biersch Brewery restaurant (<http://www.gordonbiersch.com/locations/broomfield?action=view>). We look forward to an interesting joint meeting and hope you can join us for a more relaxed discussion.