CONFERENCE ORGANIZERS

Prof. Horia Hangan
Western University WindEEE Research Institute

Prof. Jonathan Naughton
University of Wyoming Wind Energy Research Center

Prof. Rebecca J Barthelmie
Cornell University Sibley School of Mechanical and Aerospace Engineering

Prof. Jakob Mann
Danish Technical University Wind Energy

INTERNATIONAL ADVISORY BOARD (CONFIRMED)

Yves Gagnon (Monkton University, Canada)
Stephane Ivanell (Uppsala University, Sweden)
Julie Lundquist (U. Colorado and NREL, USA)
Wayne Miller (Lawrence Livermore National Laboratory, USA)
Case van Dam (UC Davis, California, USA)
Rajiv Varma (Western U., Canada)
Paul Veers (National Renewable Energy Laboratory, USA)
Ed White (Texas A&M, USA)
Kamran Siddiqui (Western U., Canada)

INVITED SPEAKERS (CONFIRMED)

1. Rebecca Barthelmie (Cornell University, USA)
2. Gareth Brown (SgurrEnergy, Canada)
3. Douglas Cairns (Montana State University, USA)
4. Peter Hauge Madsen (DTU Wind Energy, Denmark)
5. Horia Hangan (Western University, Canada)
6. Jakob Mann (DTU Wind Energy, Denmark)
7. Torben Mikkelsen (DTU Wind Energy, Denmark)
8. Jonathan Naughton (University of Wyoming, USA)
9. Hassan Peerhossaini (Université Paris Diderot, France)
10. Marianne Rodgers (Wind Energy Institute of Canada, Canada)
11. William Shaw (PNNL, USA)

(TO BE CONFIRMED)

12. Brian Resor or David Maniaci, (Sandia National Laboratory, USA)
13. Jose Zayas or Mike Derby (Wind Technology
Wind and Water Power Technologies Office, DoE, USA)
14. Kevin Standish (Siemens, Colorado, USA) or
Dominic von Terzi (GE)
15. Javier Rodrigo, (CENER, Spain and Visiting
Researcher at NREL, USA)
16. Kevin Disotell/Jim Gregory (Ohio State
University)
17. Josh Pacquette (Sandia National Laboratory,
New Mexico, USA)

October 19-21, 2015
Western University,
WindEEE Research Institute, Canada
CONFERENCE INFORMATION
As wind energy becomes a mainstream contributor to the electricity generation portfolio, research needs continue to evolve to improve efficiency, reduce costs and address issues associated with larger scale developments (on- and off-shore). The focus of this conference is measurements (at all scales) and the evaluation of numerical models using measurements. This encompasses all areas in wind energy from resource assessment through power quality and including materials and components.

AGENDA
The conference will begin at 8:00am on Monday, October 19, 2015, and conclude at 12.00pm on Wednesday, October 21, 2015. All sessions will be held at the Ivey Spencer Leadership Centre, London, Ontario, Canada. A detailed agenda will be posted on September 1, 2015.

ACCOMMODATION AND TRANSPORTATION
All meeting sessions will take place at the Ivey Spencer Leadership Centre, London, Ontario, Canada. For more information on accommodation and transportation, please visit http://www.uwyo.edu/ser/conferences/wind-tech-2015.html

CALL FOR ABSTRACTS
We invite you to submit an abstract for consideration for the International Conference on Future Technologies for Wind Energy on October 19-21, 2015, in London, Ontario, Canada. The deadline for submission is July 31, 2015. Abstracts should be no longer than two pages including figures and references. For more information, please visit http://www.uwyo.edu/ser/conferences/wind-tech-2015.html

A focus for this conference will be testing (field and controlled conditions) and the instrumentation used for such tests. Abstracts concerning field and wind tunnel/lab experimental methods, instrumentation, and the use of measurements for validation are particularly encouraged. There will be special sessions on PEIWEEN and Perdigao – other suggestions for special sessions welcome.

Session topics include, but are not limited to, the following areas:

- National and international overviews
  - Support and funding strategies
  - National/international campaigns
  - Field testing facilities

- Wind resource & full scale testing
  - Remote and in situ measurements
  - ABL and freestream measurements
  - On- and off-shore/complex terrain
  - Model development/validation needs

- Wind Tunnel and field measurements
  - Flow field and wakes
  - Steady and unsteady aerodynamics
  - Scaling issues
  - Reconciling models and measurements
  - Unique facilities and instrumentation

- Control and performance
  - Wind turbine and wind farm control
  - Fatigue and extreme loads
  - Aeroacoustics
  - Structural health/condition monitoring

- Components and Materials
  - Blade/drive train/generators
  - Blade materials, components and manufacturing
  - Future materials
  - Multi-scale testing: laminates and structures
  - Environmental effects on components
  - Defects and damage

- Analysis and design methods for wind turbines
  - Full-scale and sub-structural testing
  - Foundation and tower design

- Enabling technologies for wind energy integration
  - Grid connectivity issues for wind energy
  - Wind energy technologies for off-grid applications
  - Policy issues for promotion of wind energy
  - Wind farm design

OTHER EVENTS
A tour of the WindEEE Dome facility will be scheduled during the conference for those that are interested. Indication of interest in the tour will be requested during registration.

A reception for the conference attendees will be held on Monday, October 19th.

To provide ample opportunities for the conference attendees to interact, 30 minute refreshment breaks will occur morning and afternoon in addition to a lunch each day.

REGISTRATION
Early-bird registration will open September 1, 2015. For more information, please visit http://www.uwyo.edu/ser/conferences/wind-tech-2015.html

Early-bird registration: $375.00*
Regular registration: $425.00*
* Amounts are in Canadian Dollar and Include 13% tax (HST)

IMPORTANT DATES
July 31 – Abstract Submissions Due
August 31 – Acceptance Notification
September 1 – Early Bird Registration Opens
September 30 – Early Bird Registration Closes
October 21 – Registration Deadline

CONTACT INFORMATION
If you have questions please contact Karen Norman at 519 661 3338 or Maryam Refan at WindTech2015@windeee.ca