



18 September 2018

Invitation to IEA Wind Task 32

General Meeting 2018

Date: 22nd and 23rd October 2018
Venue: BMO Center, Alberta, Canada

IEA Wind Task 32

IEA Wind Task 32 is an international collaboration around research into the use of wind lidar for wind energy applications. Task 32 aims to identify and to mitigate barriers to the use of wind lidar technology in wind energy applications such as site assessment, power performance, loads & control, and complex flow. More details about Task 32 can be found on the [task website](#).

2018 General Meeting

Our annual General Meeting provides an international open platform for industrial and academic partners to exchange ideas, experiences, and measurement techniques for wind lidar in wind energy.

In 2018, [several workshops](#) were held to identify and mitigate barriers to the use of wind lidar for wind energy applications. At the General Meeting we will hear reports from those workshops and other events, and work together to organize new ones that are aligned with Task members' needs.

The 2018 General Meeting will focus on the needs of the North American Wind Industry when using wind lidar on- and offshore, and participants will explore solutions and how to leverage international experience. The use of lidar in cold or icing conditions will be an important theme, together with operations in remote locations.

Date

Monday 22nd and Tuesday 23rd October, 2018.

Venue

BMO Centre, Calgary, Alberta, immediately before the [CanWEA Annual Conference and Exhibition](#).

Hosts

The 2018 General Meeting is being organized by Task 32 together with [Nergica](#), a centre of applied research that stimulates innovation in the renewable energy industry through research, technical assistance, technology transfer and technical support for businesses and communities.

Accommodation

We suggest one of the downtown options described at <http://windenergyevent.ca/>.

Event News

Please check the [meeting website](#) for news. Or, [subscribe to our mailing list](#).

Opportunities for Presentations

Participants are welcome to contribute presentations that fit the meeting theme and agenda. If you would like to share something, please provide details when you are registering.

Poster Session

We will hold a poster session to give everyone the chance to share their work. You are welcome to share new results or content already presented at another event. Please bring your poster with you as we can't print posters or accept shipments. We will provide poster boards, pins, tape, etc.

Workshop Proposals

On day 2 you will have the opportunity to present suggestions for a Task 32 workshop in 2019. Task 32 provides logistics support to the workshop and workshop leaders. Most of these workshops will be based on ideas from the previous day and prepared during the meeting, but you could also prepare something in advance. Please also [contact the Operating Agent](#) to discuss your ideas.

If you are interested in leading a workshop, please prepare a one-slide proposal including

- The barrier or specific issue which is addressed
- The workshop concept, and how the workshop will help to mitigate the barrier
- Who might be a good workshop leader?
- Where and when could the workshop take place?

Registration

[Please register here](#).

Please register before **Thursday 18th October 2018**. Registered participants will receive the updated agenda and participant list a few days before the meeting. Registration to the meeting is free of charge for participants from member countries.

Program Draft

Please note the following program is subject to change.

Day 1: Where are we?

8:30	Arrival with coffee	Who?
9:00	Welcome <ul style="list-style-type: none">Housekeeping + Introduction Round	Andy Clifton
9:30	What's going on in Task 32 <ul style="list-style-type: none">What is Task 32?Workshop 7: Complex TerrainWorkshop 8: Certification of Lidar-assisted controlWorkshop 9: Short-term forecastingWorkshop 10:	Andy Clifton Andy Clifton Eric Simley (NREL) Peter Clive (Wood) Eric Simley (NREL)
10:30	Break	
11:00	Experience in Canada and the USA <ul style="list-style-type: none">C-FARS presentation (10 minutes)Breakouts - what's missing in N. America?Discussion - what can we transfer already?	Philippe Coulombe-Pontbriand (RES Americas)
12:00	Lunch break	
13:00	What's new in the world of wind lidar? Results of recent research projects & updates from manufacturers: <ul style="list-style-type: none">Lidar performance: 2018 achievements and outlookDevelopment of the Stuttgart Wind Energy (SWE) Lidar Scanner	Paul Mazoyer (Leosphere) Holger Fürst (SWE)
14:00	Break	
14:15	Offshore Wind Update <ul style="list-style-type: none">Floating lidars (title TBC)Lidar is how we integrate pre-construction assessments into a unified digital workflow	Nicolai Gayle Nygaard (Orsted) Peter Clive (Wood)
15:00	Break	
15:30	World Café Discussions in groups around the issues, needs, and solutions for lidar applications, e.g.: <ul style="list-style-type: none">Resource assessment on- and offshorePower performance testingLidar-assisted turbine controlPlant controlLoadsWakesForecastingNew applications...	
16:30	Reporting 5-minute report-out from each group	
17:00	Let's talk! Poster Session and reception (sponsorship offers welcome!)	
19:00	Dinner (no-host, location tbc)	

Day 2: Where are we going?

9:30	Mitigating barriers in 2019 New ideas, techniques, and solutions for wind lidar:	
	<ul style="list-style-type: none">• Results from the Windfield Reconstruction Round-robin and plans for next steps	Nicolai Gayle Nygaard
	<ul style="list-style-type: none">• The AWAKEN Project	Andy Scholbrock (NREL)
10:30	Break	
11:00	Setting priorities Discussion of for new workshop topics	
12:00	Close Summary of ideas and plans for 2019 and beyond	
13:00	End of meeting	