



October 2018

Invitation to the IEA Wind Task 32 Workshop #13: Floating Lidar Follow-up

Date: 13 November 2018

Venue: Bremerhaven, Germany

Workshop leader: Julia Gottschall, Fraunhofer IWES

Background to and objective of the workshop

The main objective of IEA Wind Task 32 Phase 2 is to identify and mitigate the barriers to the use of lidar technology in wind energy applications such as site assessment, power performance, loads and control, and complex flow. For each of these applications areas dedicated workshops are organized, each on one specific problem, with a well-defined program and a tangible outcome. Workshop #1 in this series had been on Floating Lidar Systems and – together with preceding activities – built the basis for the publication of RP 18¹. Since early 2016, when the workshop had taken place (hosted by ORE Catapult in Blyth), the technology and its acceptance in the wind industry has further developed. The objective of this follow-up workshop is to present and discuss these achievements, and to identify the areas where further work and progress may be required by the different stakeholder groups including both the FLS OEMs and the users of the technology.

Concept and expected outcome

The workshop sessions will focus on the three topics:

- IEA Wind RP 18 on Floating Lidars – overview and experiences with the document;
- OWA Roadmap Update – overview of the recently published document and initial feedback by participants;
- Floating Lidar uncertainties – how can we meet the requirements and assess these?

After learning about and discussing these three topics in some depths, the workshop participants will go in groups and identify the topics for a possible RP 18 update in Phase 3 of Task 32 (to start in 2019).

¹ Expert Group Report on Recommended Practices 18. Floating Lidar Systems, First Edition, 2017
(<https://community.ieawind.org/publications/rp>)

(Tentative) Agenda

- 9:30 Registration and tea/coffee
- 10:00 Welcome and introduction
- 10:30 RP 18 on Floating Lidars – overview and experiences
- 11:15 “OWA Floating Lidar Roadmap” update – overview and initial feedback by participants
- 12:30 Lunch + posters
- 13:30 Floating Lidar Uncertainties
(incl. presentation of OWA LUSR project outcomes and MALIBU project)
- 14:45 Workshop session on topics for RP 18 update / Task 32 Phase 3
+ tea/coffee
- 15:45 Presentation of findings
- 16:30 End of workshop

Practical Arrangements

Registration

For participation in the workshop, please register via the online registration form before **2 November 2018**. Registration for the workshop is free of charge.

Prior to the workshop, registered participants will receive additional workshop details.

If you would like to present at the workshop, please get in contact with the workshop leader (julia.gottschall@iwes.fraunhofer.de). Floating OEMs are invited to present their systems with a poster that can be presented during the workshop.

Travel Information

The workshop will be held at Fraunhofer IWES (Grosser Westring 2, 27572 Bremerhaven).

It is organized in connection with the “Offshore Wind R&D Conference 2018” which takes place in Bremerhaven from 14 to 16 November 2018.

For more details see: https://express.converia.de/frontend/index.php?folder_id=836. (Note that registration for the conference is open until 31 October 2018)

Expected Participants

All kinds of stakeholders – system providers, end users (offshore wind farm developers / operators, turbine OEMs), lidar manufacturers, consultants, academics.