

November 2016

Details to IEA Wind Task 32

General Meeting 2016

Date: December 15-16 2016

Venue: University of Strathclyde, Glasgow, UK

Introduction to IEA Wind Task 32

The main objective of the Task 32 is to identify and to mitigate barriers to the use of the lidar technology in wind energy applications such as site assessment, power performance, loads & control, and complex flow. An annual General Meeting is organized to provide international open platform for industrial and academic partners to exchange new ideas, experiences, and measurement techniques for lidar in wind energy.

More details can be found on the [task website](#).

Meeting Concept

In 2016, one workshop has been organized for each of the four applications mentioned above, focusing on one specific problem, and with a well-defined program and tangible outcome. Complementarily, the idea of the General Meeting is to provide a forum to build up a community and report from previous workshops and organize new ones.

The meeting will be a combination of presentations, discussion, and a poster / networking session:

1. What was the outcome of Phase 1?
2. Identifying and mitigating barriers in 2016: Review of the four workshops.
3. What's new in the world of wind lidar? Presentations from researchers and industry
4. Let's talk! Poster / networking session addressing recent results.
5. Identifying and mitigating barriers in 2017: Proposals, discussions, and voting for new workshop topics for 2017

The workshop will be hosted by the University of Strathclyde.

Acknowledgement

Many thanks to Peter Clive, Professor William Leithead, the [Advisory Board](#) and the General Meeting Organization Team (Ines Würth, Andrew Clifton, Oliver Bischoff, Florian Haizmann, Holger Fürst) for all their help in organizing this meeting.

Program

Day 1

- 8:30 Arrival with coffee
- 9:00 Welcome/Introduction to IEA Wind Task 32 Phase 2 (David Schlipf) + Introduction Round
- 9:30 **What was the outcome of Phase 1?**
- General review of Phase 1 (Davide Trabucchi)
 - Technical report: [Remote Sensing of Complex Flows by Doppler Wind Lidar: Issues and Preliminary Recommendations](#) (Andrew Clifton)
 - Technical report: [Estimating Turbulence Statistics and Parameters from Ground- and Nacelle-Based Lidar Measurements](#) (Someone from author team)
 - State of the Art Report: [Recommended Practices for Floating Lidar Systems](#) (Julia Gottschall)
- 10:30 Coffee break
- 11:00 **Identifying and mitigating barriers in 2016**
- Results from Workshop #1 (Julia Gottschall)
 - Results from Workshop #2 (Eric Simley)
- 12:00 Lunch break
- 13:00
- Results from Workshop #3 (Davide Trabucchi)
 - Results from Workshop #4 (Luke Simmons)
- 14:00 **What's new in the world of wind lidar?**
- Results of recent research projects
- UniTTe (Rozenn Wagner)
 - Scanning Lidar: Dublin Bay experiments (Michael Stephenson)
 - Slot 3 tbd
 - Slot 4 tbd
- 15:00 Coffee break
- 15:15 OpenLidar
- Concept (Ines Würth)
 - Moderated discussion (Andrew Clifton)
- 16:00 **Let's talk!** Poster Session with beer reception (details below)
- 17:30 End of Day 1
- 19:00 Dinner (tbc)

Day 2

- 9:00 **What's new in the world of wind lidar?**
- Results of recent advances in lidar technology
- TI measurements (Paul Mazoyer)
 - Verification Protocol (Peter Clive)
 - Slot 3 tbd
 - Slot 4 tbd
- 10:00 Coffee break
- 10:15 **Identifying and mitigating barriers in 2017**
- Review and discussion of workshop strategy (David Schlipf)
 - Presentation on suggested workshop concepts (details below)
- World Cafe: group discussions for the four different application areas: do the suggested topics address the relevant barriers or do we need others?
- 12:30 Lunch break
- 13:30
- Presentation of results of World Café (Moderators)
 - Voting for new workshop topics
- 14:45 Next steps
- 15:00 End of General Meeting

Participant List

Based on the room size we can host up to 60 participants. Currently we have still 18 vacancies.

Name	Country	Institution
Adrian How	UK	SSE
Andrew Clifton	USA	NREL
Bart Doekemeijer	Netherlands	TU Delft
Cédric Arbez	Canada	TechnoCentre Éolien
Cristoph Tiefgraber	Austria	energiwerkstatt
David Schlipf	Germany	SWE University Stuttgart
Davide Trabucchi	Germany	ForWind - Univeristy of Oldenburg
Detlef Stein	Germany	DNV GL
Ellie Weyer	USA	AWS Truepower
Eric Simley	USA	Envision Energy
Fabrice Guillemin	France	IFP Energie Nouvelles
Florian Haizmann	Germany	SWE University Stuttgart
Fotis Kokkalidis	Greece	CRES
Frank Scheurich	Denmark	Siemens
Holger Fürst	Germany	SWE University Stuttgart
Hu Wei	China	Goldwind
Hugo Herrmann	UK	EDF Energy
Ines Würth	Germany	SWE University Stuttgart
Inhaeng Kim	South Korea	Jeju Energy Corporation
Ioannis Antoniou	Denmark	Siemens
Javier Saez Gallego	Denmark	Siemens
Jochem Vermeir	Belgium	Tractebel Engie
Julia Gottschall	Germany	Fraunhofer IWES
Luke Simmons	USA	DNV GL
Kyunghnam Ko	South Korea	Jeju University
Michael Harris	UK	ZephIR Lidar
Michael Stephenson	UK	Carbon Trust
Minsang Kang	South Korea	Jeju Energy Corporation
Nobuki Kotake	Japan	Mitsubishi
Oliver Bischoff	Germany	SWE University Stuttgart
Paul Mazoyer	France	Leosphere
Peter Clive	UK	SgurrEnergy Ltd
Ross Tyler	USA	Business Network for Offshore Wind
Rozenn Wagner	Denmark	DTU
Sara Koller	Switzerland	Meteotest
Seán Hayes	Ireland	Mainstream Renewable Power
Theodore Holtom	UK	Wind Farm Analytics
Wang Bin	China	Goldwind
Wang Haibin	China	Goldwind
Wei Yufeng	China	MingYang

Poster Session

The idea of the poster session is to facilitate networking and to give everyone the possibility to present work relevant for the community.

You are very welcome to present a poster with recent experiments, ongoing projects, and current research. Please bring your poster to the conference (we cannot print it or accept shipments). It could be new results or content already presented at another conference. The only requirement is that it should be A1 paper size.

Workshop Proposals

On day 2 you will have the opportunity to present your suggestion for a workshop in 2017.

A proposal should be one slide including

- Which is the barrier which is addressed?
- What is the workshop concept? How does the workshop help to mitigate the barrier?
- Who might be a good workshop leader? Where and when could it take place?

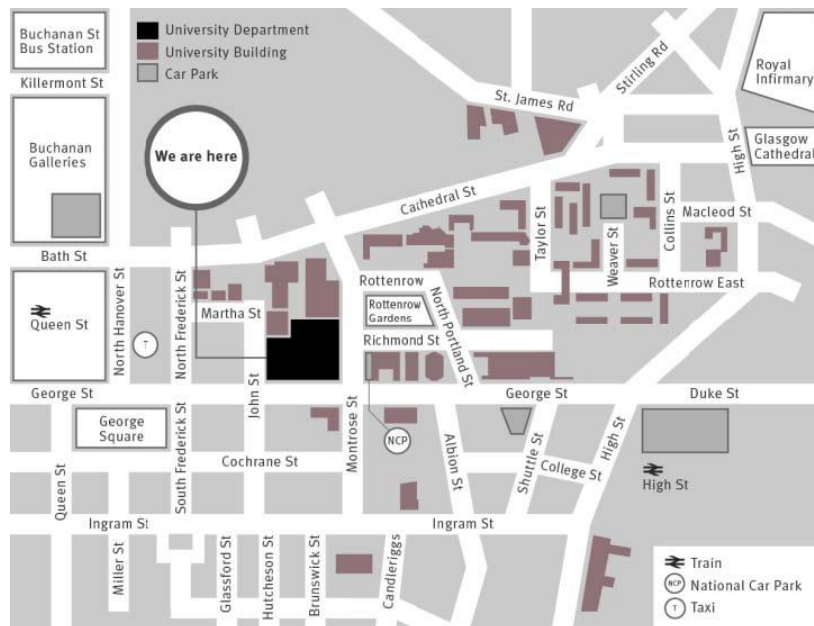
The presentation should not exceed 3 minutes. Questions should be asked in the discussions afterwards.

Workshop leaders will be supported by the Operating Agent. For catering, room etc. we have currently around 1000 € budget per workshop.

Venue Information

The General Meeting will be held on 15&16 December at the below venue.

Department of Electronic and Electrical Engineering
University of Strathclyde, Royal College Building, Room 2.15
204 George Street
Glasgow, G1 1XW, UK



Accommodation

There are no special hotel reservations made and it seems a busy week in Glasgow We can recommend a couple of hotels that are very close by the venue:

1. [The Z Hotel](#)
Starting from about 80€ per night
2. [ibis Styles Glasgow Centre George Square](#)
Starting from about 90€ per night
3. [Millennium Hotel Glasgow](#)
Starting from about 95€ per night
4. [Mercure Glasgow City Hotel](#)
Starting from about 120€ per night

Prices are based on booking.com and are from 11/08/16.

Further Information

Following details have been provided by Glasgow City Marketing Bureau.

City Information Links

You can use the following link for information on Glasgow including how to get here, accommodation, things to do:

<https://peoplemakeglasgow.com/visiting>

Tours <https://peoplemakeglasgow.com/things-to-do/tours>

Suggested itineraries <https://peoplemakeglasgow.com/things-to-do/visitor-itineraries>

Whisky <https://peoplemakeglasgow.com/whisky-distilleries-breweries>

What's on <https://peoplemakeglasgow.com/whats-on>

Let's Meet promotional video

Our short promotional video encourages delegates to visit Glasgow.

<https://www.youtube.com/embed/6jns9H6-9M8?rel=0>

Explore the City Centre and Merchant City

The University is ideally situated for exploring the City Centre and Merchant City. Insider tips on the area can be found here:

<https://peoplemakeglasgow.com/discover/districts/city-centre>

<https://peoplemakeglasgow.com/discover/districts/merchant-city>

Special tour discounts for delegates

Rabbie's Tours

Small group tours – full day or half-day, departing from Glasgow City Centre.

10% off tours for conference delegates using the code GCM1115

0131 226 3133

www.rabbies.com

Timberbush Tours

1,2 or 3 day tours of the Scottish Highlands and Islands, departing from Glasgow City Centre.

15% off tours for conference delegates using the code GCMB15

0141 226 8882

<http://www.timberbush-tours.co.uk/>

Simply contact the tour company directly quoting the discount code above to book your trip.