IEA Wind Task 32

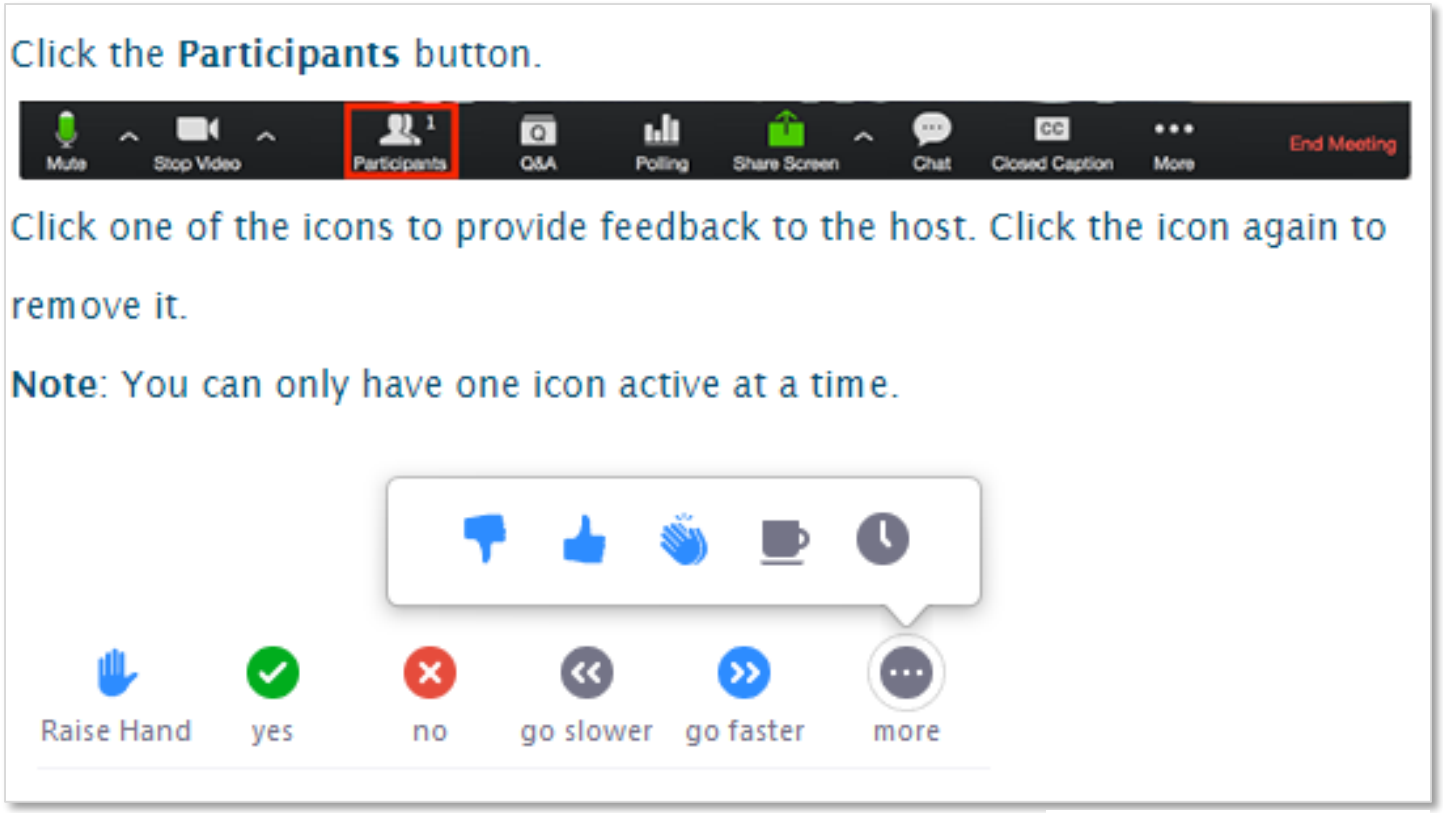
An Overview of Lidar-Assisted Controls

Task 32 Webinar

22 April 2020

Can you hear me?

Please use the controls to answer “yes” or “no”.



[from support.zoom.us]

Webinar Schedule

Dr. Andrew Clifton
University of Stuttgart

ieawind.task32@ifb.uni-stuttgart.de

01	Andy Clifton	Introducing IEA Wind Task 32
05	Eric Simley	How can we obtain useful information for controls from lidar systems?
	David Schlipf	How can these lidar measurements be used to improve wind turbine control?
	Andrew Scholbrock	What are some practical considerations when implementing lidar-assisted control in the field?
35	Q&A	
55	Close	

What is IEA Wind Task 32?

Task 32 was founded in 2011 as an international community to identify and mitigate the barriers to the adoption of wind lidar for wind energy applications.

Our collaborative R&D is targeted at the community's needs:

? *How can we use lidar to measure the conditions where we build wind turbines?*

? *How can we use lidar to better operate wind turbines and plants?*

? *How can we use lidar for turbine & plant performance verification?*

? *How can we collaborate on hardware and software?*

Find out more at community.ieawind.org/task32

Our network

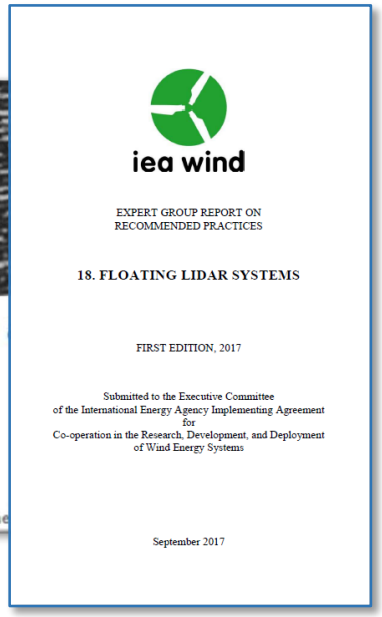
- Regular events and lots of ways to reach each other

Technology transfer

- Bring together researchers with end uses

Up-to-date knowledge

- White papers, annual meetings, recommended practices, newsletters, workshops, webinars, …



Get in touch with the Task

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Cover: Turbines at the National Renewable Energy Laboratory's National Wind Technology Center, Colorado , USA. (Credit: U. Stuttgart)

Let’s get started

Note: the material presented here covers a range of TRLs. If you want to use it, please work with the presenters, your vendors, your service providers, and others to see how it could be applied to your situation. Please be aware that other solutions also exist.

Eric Simley
(NREL)

David Schlipf
(U. Flensburg)

Andrew Scholbrock
(NREL)