



# Challenger Society for Marine Science Special Interest Group on Wind Waves Meeting

5<sup>th</sup> September 2022

In person: Room G.41  
Imperial College Royal School of Mines  
Prince Consort Road  
London SW7 2AZ

Broadcast on Teams  
[Click here to join the meeting](#)  
Meeting ID: 380 830 176 293  
Passcode: 4wUekj

## Agenda

**10:00 Arrival and coffee**

**10:30 Welcome and Housekeeping**

**10:40 - 12:00**

Rogue waves and the high frequency spectral tail.	Tom Adcock, University of Oxford
Experimental investigation of an OWC wave energy converter integrated into a floating foundation for wind turbine	Yu Zhou, Dalian University of Technology, China
On the averaged shape of large water waves in flumes and in open	Tianning Tim Tang, University of Oxford
The Impact of Wind-Wave Angle on the Momentum Flux Over Shoaling Waves	Henry Potter, Texas A&M University

Lunch break

**13:10 - 14:50**

Climatological challenges for the development of offshore wind farms off NW Scotland	Dario De Benedictis & Karen Alexander & David Woolf, Heriot Watt
Linking the long-term change in wave energy to various wave parameters	Bahareh Kamranzad, Kyoto University
Are waves a threat to subsea telecoms cables?	Lucy Bricheno, National Oceanography Centre Liverpool
Understanding the spatial variations in which characteristics (i.e. wave height/period, water level) drive wave overtopping flood risk around England	Fay Luxford, JBA
Latest developments in wave overtopping measurements with the help of video camera	Harold Diaz, Wavesnsee

Tea break

**15:20 - 16:40**

Wave climate variability observed from space: some recent developments	Ben Timmermans, National Oceanography Centre, Southampton
SyntheSeas: A stochastic simulation model of benchmark sea state time series	Riccardo Briganti, University of Nottingham
Using machine learning to project future wave climates around South Africa	Jessica Amies, Met Office
Bias correction of ocean wave model forecasts using Random Forests	Nefeli Makrygianni, Met Office

**16:40 Wrap-up**

17:00 close

**In person attendees**

Alison Raby  
 Bahareh Kamranzad  
 Ben Timmermans  
 David Woolf  
 Fay Luxford  
 Harold Diaz  
 Henry Potter  
 Jennifer Jardine  
 Jessica Amies  
 John Huthnance  
 Judith Wolf  
 Julia Rulent  
 Katie Musgrave  
 Lizzie Warwick-Champion  
 Lucy Bricheno  
 Matt Lewis  
 Nefeli Makrygianni  
 Nigel Tozer  
 Piyali Chowdhury  
 Riccardo Briganti  
 Tianning Tim Tang  
 Tom Adcock  
 Yu Zhou  
 Yves Soufflet

**Remote attendees**

Emma Ross  
 Less Swift  
 Eugenio Pugliese Carratelli  
 Nelson Violante-Carvalho  
 Dario De Benedictis  
 Yevgeny Aksenov  
 John Edwards

**Websites and further information**

[https://challenger-society.org.uk/Ocean\\_Wind\\_Waves](https://challenger-society.org.uk/Ocean_Wind_Waves)  
<https://projects.noc.ac.uk/windwavesSIG/>

To join the emailing list, please contact Lucy Bricheno [luic@noc.ac.uk](mailto:luic@noc.ac.uk)