

Workshop

“Sea State - Methods and Applications”

December 7, 2022

online and at BSH (Hamburg)



Helmholtz-Zentrum
hereon



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

08:30	Registration		
09:00	Welcome		
09:10	Models	Dr. Johannes Schultz-Stellenfleth (Hereon, Germany)	<i>Regional Impacts of Offshore Windfarms on Sea State</i>
09:25		Dr. Nikolaus Groll (Hereon, Germany)	<i>New Wind-Wave Hindcasts for the North and Baltic Sea</i>
09:40	Offshore Applications	Mark Barham and Matthias Johannsen (Vattenfall, Germany)	<i>Metocean Data for Offshore Wind Farm Projects - What is Needed?</i>
09:55	Operational Measurements	Martin Moritz (BSH, Germany)	<i>Operational Sea State Measurement Devices</i>
10:10	Discussion		
10:20	Coffee		
10:40	Operational Measurements	Wibke Dünkel (Nautilus, Germany)	<i>Waverider Buoys - Function, Maintenance and New Developments</i>
10:55		Tuna Sener (RADAC, The Netherlands)	<i>Real time wave / sea state measurement using FMCW radar technology</i>
11:10		Torstein Pedersen (Nortek, Norway)	<i>Measurements of Ocean Waves Using an ADCP</i>
11:25	Data Quality and Provision	Dr. Mayumi Wilms (BSH, Germany)	<i>Sea State Portal of the BSH</i>
11:40	Remote Sensing (operational)	Dr. Katrin Hessner (Rutter, Germany)	<i>Ocean Wave Measurements Using Marine X-Band Radar</i>
11:55		Roberto Gomez (Helzel Messtechnik, Germany)	<i>Measurement of Wave Parameters with HF Radar</i>
12:10	Discussion		
12:20	Lunch Time		

13:10	Remote Sensing (operational)	Andrey Pleskachevsky (DLR, Germany)	<i>Real Time Services for Multiparametric Sea State from Synthetic Aperture Radar</i>
13:25	Advanced measurement methods	Dr. Fabien Leckler (FEM, France)	<i>Stereo Measurements of Ocean Waves</i>
13:40		Ruben Carrasco (Hereon, Germany)	<i>Individual Wave Measurements and Short Term Prediction using Marine Coherent X-Band Radar</i>
13:55		Dr. Marc Buckley (Hereon, Germany)	Wave Observations from High Power Laser Imagery
14:10	Statistical Analysis	Dr. Ina Teutsch (Hereon, Germany)	<i>Nonlinear Contributions to the Formation of Rogue Waves</i>
14:25	Discussions		
15:00	End of Workshop		

Times in MET (UTC+1h)

Please register by email at jochen.horstmann@bsh.de or christian.senet@bsh.de