



Time (CEST)		Programme: Wednesday 13 th October 2021	
12:50 – 13:00	Meeting opening for connection		
13:00 – 13:10	Welcome address: Harald Bosse, Physikalisch-Technische Bundesanstalt (PTB), DE		
13:10 – 13:40	Keynote 1: EURAMET’s strategy and research programmes for sustainable energy systems and green deal <i>Jörn Stenger, Physikalisch-Technische Bundesanstalt (PTB), DE and EURAMET chairperson</i>		
13:40 – 14:40	Session 1: Storage (Part 1)		
CHAIR	Andreas Archenti		
	13:40	Enabling active magnetic bearings with low cost sensors <i>Matthew Journee, Levistor, UK</i>	
	14:00	Circular battery production <i>Christoph Herrmann, TU Braunschweig, DE & Executive Board member of Battery LabFactory Braunschweig, DE</i>	
	14:20	Electrification of HD EVs and energy storage <i>Fernanda Marzano, Scania Group, SE</i>	
14:40 – 15:00	Coffee break		
15:00 – 15:40	Session 1: Storage (Part 2)		
	15:00	A Review of Vibration Energy Harvesting <i>Zachary Trimble, University of Hawaii at Manoa, US</i>	
	15:20	Lifetime cost of ownership comparison of utility-scale energy storage solutions <i>David Gessel, Blackrose Technology, US</i>	
15:40 – 16:10	Coffee and debate on Storage		
16:10 – 17:10	Session 2: Hydro		
CHAIR	Alex Slocum		
	16:10	Adaptive hydraulics: Improving centrifugal pump efficiency using precision machine design <i>Hilary Johnson, Massachusetts Institute of Technology, US</i>	
	16:30	Integrated pumped hydro reverse osmosis clean energy system (IPHROCES) <i>Nelson Novoa, Oceanus Power & Water, US</i>	
	16:50	Plasma generation underwater for drag reduction in marine technologies <i>Adam Bennett, Cranfield Plasma Solutions, UK</i>	
17:10 – 17:30	Coffee and debate on Hydro		



Time (CEST) Programme: Thursday 14th October 2021

08:50 – 09:00 Meeting opening for connection

09:00 – 09:30 Keynote 2: Precision engineering through digitalisation – Use Case: Wind Turbines
Christian Fenselau and Lasse Lundberg Nowack, Vestas Wind Systems A/S, DK

09:30 – 10:10 Session 3: Wind (Part 1)

CHAIR Harald Bosse

09:30 Tension and compression vs cantalivered design in floating wind turbines
Drew Devitt, American Offshore Energy, US

09:50 CFD based performance optimisation of an HGV Cab roof deflector for maximum fuel efficiency and minimum emissions
Muhammad Atif, University of Huddersfield, UK

10:10 – 10:30 Coffee break

Session 3: Wind (Part 2)

10:30 – 12:00 Dissemination workshop: High-performance computing for wind energy – HPCWE

12:00 – 12:30 Coffee and debate on Wind

12:30 – 13:30 Lunch break

13:30 – 14:50 Session 4: Solar

CHAIR Liam Blunt

13:30 Pushing solar energy conversion beyond today’s efficiency and cost limits
Rutger Schlatmann, Helmholtz, DE

13:50 Decarbonization will not look the same everywhere – Which technologies will dominate future electricity systems?
Dieter Most, Siemens AG, DE

14:10 Hybrid air plasma water cleaning: Reducing water consumption & increasing cleanliness of mirrors, in Concentrating Solar Power plants
Adam Bennett, Cranfield Plasma Solutions, UK

14:30 Development of a large tube outdoor measuring facility for solar modules
Frank Schmaljohann, Physikalisch-Technische Bundesanstalt, DE

14:50 – 15:10 Coffee and debate on Solar

15:10 – 15:20 Closing remarks by Alex Slocum, MIT, US

Please note details in this programme are correct at time of publication but may become subject to change.