

**EERA JP Wind annual event programme  
17<sup>th</sup> & 18<sup>th</sup> of September 2018**



## Monday 17<sup>th</sup> of September 2018

### Plenary hall 1

09.00-12.00 EERA JP Wind General assembly

### 12.00-13.00 Registration + lunch

#### Plenary sessions

13.00-13.30 Opening EERA JP Wind annual event 2018 & overview of 8 years of EERA JP Wind by Peter Hauge Madsen EERA JP Wind Coordinator a.i., Head of Department Wind Energy, DTU

13.30-14.00 Setting up the multinational project ReliaBlade according to the Berlin model by Arno van Wingerde, Fraunhofer IWES

#### Combined session SP8 Planning & Deployment, social, environmental and economic issues + SP5 System integration on System friendly wind

Chair: Lena Kitzing, DTU (SP8 coordinator) and Nicolaos Cutululis, DTU (SP5 coordinator)

Topic: "System-friendly wind: How energy systems benefit from new wind technologies"

14.00-14.20 Impact of wind turbine technology development on wind power capacity factors, Matti Koivisto, DTU

14.20-14.40 Effects of Turbine Technology and Land Use on Wind Power Resource Potential, Erkka Rinne, VTT

14.40-15.00 Enhancing the market value of wind through turbine technology, Lena Kitzing, DTU

15.00-15.20 Flexibility in the Dutch power system and its implications for wind integration, Jos Sijm, ECN part of TNO

### 15.20-15.50 Coffee break

15.50-16.10 How to allocate the costs and benefits of a North Sea Offshore Grid, Simon Risanger, NTNU

16.10-16.30 Implications of outdated wind technology assumptions in energy systems modelling, Karsten Capion, Danish Energy

16.30-17.00 Panel discussion on future of system-friendly wind

Panelists: all workshop speakers

Chair: Nicolaos Cutululis

17.00-17.30 Plans for HorizonEurope, Nuno Quintal, European Commission

### 17.30-18.30 Drinks

19.00 Dinner at Grand Café Restaurant 1<sup>st</sup> Klass, Stationsplein 15, Perron 2B, Amsterdam Central station

## Tuesday 18<sup>th</sup> of September 2018

### Plenary hall 1

#### **SP1 Programme planning and outreach**

Chair: Peter Hauge Madsen, DTU (SP1 coordinator) and Xabier Munduate, CENER

- 09.00-09.45 From gentle breeze to green giant, the challenges wind faces in delivering its promise to the future, Aidan Cronin, Chairman of ETIPWIND
- 09.45-10.30 What EERA JP WIND did right – and what it should do next - How JP Wind can deliver on its promise in a European context, Matthijs Soede, European Commission
- 10.30-11.00 Implementing the SET-Plan Implementation Plan - A proposal to implement the lessons learned from IRPWIND, Mattias Andersson, DTU Wind Energy

#### 11.00-11.30 **Coffee break**

#### **Combined session SP6 Offshore Balance of Plant + SP7 Structures, materials and components**

Chair: John Olav Tande, SINTEF (SP6 coordinator), Arno van Wingerde, Fraunhofer IWES (SP7 coordinator)

- 11.30-12.00 Experimental investigations on an innovative connection between ductile cast iron and concrete for offshore wind turbines, Marina Stuempel, Leibniz University of Hannover
- 12.00-12.30 BOOST-FOWT: a Horizon2020 Proposal, Pablo Morato and Philippe Rigo, University of Liege

#### 12.30-13.30 **Lunch**

#### **Continuation combined session SP6 Offshore Balance of Plant + SP7 Structures, materials and components**

Chair: John Olav Tande, SINTEF (SP6 coordinator), Arno van Wingerde, Fraunhofer IWES (SP7 coordinator)

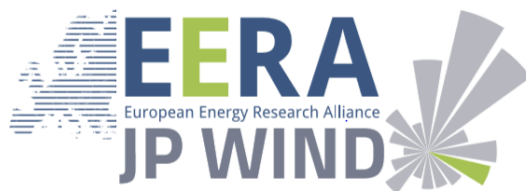
- 13.30-13.50 ARCWIND, Floating wind energy conversion technology for the Atlantic region, Jose Azcona, CENER
- 13.50-14.10 Bolted connections between support structure and tower, Andre Stang, Peter Schaumann, Leibniz University of Hannover
- 14.10-14.40 Life 50+, German Perez, Technalia
- 14.40-15.00 Discussion on Combined session SP6 Offshore Balance of Plant + SP7 Structures, materials and components

#### 15.00-15.30 **Coffee break**

#### **SP2 Research Infrastructure, testing and standards**

Chair: Paul McKeever, ORE Catapult (SP2 coordinator)

- 15.30-15.35 Welcome and session introduction, Paul McKeever, ORE Catapult
- 15.35-15.55 Research infrastructure networks (MaRINET2 and MARINERG-i), Jimmy Murphy/Cian Desmond, University College Cork



- 15.55-16.15 eGrid/dynamic cable infrastructures; paving the way for future technology validation, Chong Ng, ORE Catapult
- 16.15-16.35 Electrical characteristic determination by testing wind turbine generator/converter systems, Thorben Jersch, Fraunhofer IWES
- 16.35-16.55 Group Discussion Session – What next for infrastructures, testing and standards? Led by Paul McKeever, ORE Catapult
- 16.55-17.00 Wrap up/AOB for Research Infrastructure SP
- 17.00-17.30 Closing session, Peter Eecen, ECN part of TNO

## Plenary hall 2

### SP3 Wind conditions and climatic effects

Chair: Jake Badger, DTU (SP3 coordinator)

- 13.30-13.50 Latest research on NEWA measurement campaigns, Julia Gottschall, IWES Fraunhofer
- 13.50-14.10 Climate and predictability for Wind Energy, Albert Soret Miravet (or colleague), BSC
- 14.10-14.35 Dutch Offshore Wind Atlas (DOWA), Jan Willem Wagenaar, ECN part of TNO
- 14.35-15.00 Lidar data from a NORCOWE campaign and visualization tool, Annette Fagerhaug Stephansen, NORCE

### 15.00-15.30 Coffee break

### SP4 Aerodynamics, Loads and control

Chair: Peter Eecen, ECN part of TNO (SP4 coordinator)

- 15.30-15.45 Final results AVATAR.EU project, Gerard Schepers, ECN part of TNO
- 15.45-16.00 High fidelity aero-servo-elastic process chain to assess low-frequency emissions from wind turbines, Thorsten Lutz, University of Stuttgart
- 16.00-16.15 The dynamics in wind energy aerodynamics: CFD for flexible wind turbines, Hamid Rahimi, Fraunhofer IWES
- 16.15-16.30 Aerodynamic analysis related to control of loads, Vasilis Riziotis, NTUA
- 16.30-16.45 Results from EU projects 'CL-Windcon' and 'Total Control', Nicolaos Cutululis, DTU and Mikel Iribas, CENER
- 16.45-17.00 EERA R&D strategy on SP4 Aerodynamics, Loads and control. Alignment with ETIPWind and SETPlan TWG, Peter Eecen, ECN part of TNO