## Wednesday, 14 November 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.30 a.m.</td>
<td>Registration</td>
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<tr>
<td>10 - 11 a.m.</td>
<td>Welcome Coffee</td>
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<tr>
<td>11 a.m. - 1 p.m.</td>
<td>Opening, Words of Welcome &amp; Plenary session</td>
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<td>1 - 2 p.m.</td>
<td>Lunch</td>
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<td>2 - 3.45 p.m.</td>
<td><strong>Operation and maintenance I</strong>&lt;br&gt;Chair: Raimund Rolfes (ISD - Leibniz University Hannover), Jan Wenske (IWES)&lt;br&gt;Investigation of Degradation Processes in Large-scale Experimental Tests by Structural Health Monitoring Techniques and Numerical Simulations&lt;br&gt;Martin Kohlmeier et al. (IWES,Wölfel Engineering GmbH +Co. KG) #16239&lt;br&gt;Damage detection in offshore wind turbine grouted connection by nonlinear harmonic identification&lt;br&gt;Nathalie Müller et al. (University of Nantes, IWES, University of Bochum) #16233&lt;br&gt;Offshore Wind Farm Clustering for Design and Monitoring Operating Loads by Means of a Response Surface-based Clustering Approach and Metaheuristic Optimization, Andreas Ehrmann, Christian Guillermo Gebhardt, Raimund Rolfes (Leibniz University, ForWind) #16269&lt;br&gt;Estimation of 1 Hz Distribution based on 10.min SCADA Data&lt;br&gt;Björn Roscher, A. Werkmeister, R. Schelenz (RWTH Aachen) #16012&lt;br&gt;Monitoring of Blade Bearings&lt;br&gt;Wolfgang Lostert, Beate Burkhartd (eolotec) #16235</td>
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<td>3.45 - 4.15 p.m.</td>
<td>Coffee Break</td>
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<td>4.15 - 5.30 p.m.</td>
<td><strong>Operation and maintenance II</strong>&lt;br&gt;Chair: Raimund Rolfes (ISD - Leibniz University Hannover), N.N.&lt;br&gt;Load prediction by stochastic model in Global Tech I&lt;br&gt;Pyei Phylo Lin et al. (ForWind, Global Tech I) #16196&lt;br&gt;Project Leikline Phase 2 – Power Curve Estimation in Offshore Wind Farms under Waked Conditions&lt;br&gt;David Bastine et al. (IWES) #16244&lt;br&gt;Improving the Monitoring of Offshore Wind Power Plants by Integrating Contextual Information from Lifecycle Records&lt;br&gt;Steffen Dienst, Johannes Schmidt, Jonas Beseler (University of Leipzig, Global Tech I) #16199&lt;br&gt;Control methods for lifetime extension&lt;br&gt;Vasilis Pettas, Po Wen Cheng (University of Stuttgart) #16063</td>
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<td>7 p.m.</td>
<td>Klimahaus: Conference dinner &amp; networking event</td>
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Thursday, 15 November 2018

9.00 - 10.15 a.m. Operation and maintenance III
Chair: Raimund Rolffes (ISD - Leibniz University Hannover), N.N.

Offshore TIMES – analysis and optimization of O&M concepts for offshore wind farms
Gerrit Wolken-Mühlmann (IWES) #16342

Route Optimization for Offshore Maintenance Tasks & Case Study
Darja Döhlle, G. Wolken-Mühlmann, M. M. Wiggert (IWES) #16341

An approach to assessing mechanical fatigue of dynamic subsea cables for floating offshore wind turbines
David Young et al. (ORE Catapult, University of Strathclyde, University of Edinburgh, University of Exeter) #16237

Risk Assessment and command staff exercises as method to reduce vulnerability of offshore wind farms
Uwe Arens, Uta Kühne (University of Applied Sciences Bremerhaven, IsaSS, fl-wind: Institut für Windenergie) #16249

10.15 - 10.45 a.m. Coffee Break

10.45 - 12 a.m. Test facilities & demonstration sites
Chair: Thomas Neumann (DEWI), Jan Tessmer (DLR)

A practical way of high level torque calibration for the wind turbine nacelle test
Hongkun Zhang, Martin Pilas (IWES) #16227

On-site test of components and sensors exposed to marine degradations processes: fatigue, corrosion and biofouling
Franck Schoefs, Hamed Ameryoun (University of Nantes, Capacités) #16767

Reliable main and blade bearing technology
Jörg Rollmann et al. (Thysen Krupp) #17461

Recent developments at FINO1
Juan Jose Trujillo et al. (UL) #16343

12 a.m. - 1 p.m. Lunch

1 - 2 p.m. Postersession

2 - 3 p.m. Environmental impact and spatial planning
Chair: Kristin Blasche (Orsted), N.N.

Noise mitigation in German offshore wind construction since 2014 – practical experience and influence of pile driving on harbour porpoise
Eva Philipp (Vattenfall, on behalf of the AGOW working group Environmental protection ) #15616

Adaptive approach to environmental monitoring for UK offshore wind projects
Sally Holroyd, Tina Bendixen (Orsted): #16000

MARLIN - a large scale/high resolution information system as a backbone for marine management
Gregor von Halem et al. (BAM, HZG, AWI) #16194

3 - 3.30 p.m. Coffee Break

3.30 - 5 p.m. Geology, waves & current measurements
Chair: Kai Herklots (BSH), N.N.

Boulder detection – Application of hydro-acoustic methods for the detection of buried objects in the sea floor in the course of the planning of offshore wind farms
Jan Hebig, Carlos Ramos Cordova (IWES) #16338

New methods to detect extreme waves in quality controlled in-situ measurements
Mayumi Wilms, Kai Herklots (BSH) #16009

Findings on scouring and wind-wave correlation for OWEC design recommendations and offshore operations
Arndt Hildebrandt et al. (Leibniz University) #16223

Innovative measurement technologies for met-ocean and soil conditions
Bernhard Lange et al. (IWES, University of Bremen) #16323

5 - 5.15 p.m. Closing Session

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