**International Energy Agency (IEA) Wind**

**Technical Experts Meeting (TEM) #112 Oct 28 – Oct 29, 2024**

*Rutgers University, New Brunswick
New Brunswick, New Jersey*

**Tentative Agenda**

**Day 1: Monday, 28 October 2024**

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| Time | Topic | Presenter |
| 1:00 pm | Check-in, Badging | All |
| 1:30 pm | Welcome and Opening RemarksOverview of IEA Wind and Task 11 | Patrick Gilman, IEA Wind ExCoChairman, U.S. Department ofEnergy’s (USDOE) Wind EnergyTechnologies Office (WETO) |
|  | Review and reinforce meeting outcomes | Sébastien Daviet,IEA Wind Task 11 Operating AgentPLANAIR Ltd. Consulting Engineers |
| 2:00 pm | TEM #112 Objectives and ExpectationsBackground and Motivation – setting the stagefor the Extreme Weather TEM  | Walter Musial, NREL |
| 2:15 pm | STORM – U.S. Hurricane Research  | Georgios Deskos, NREL |
| 2:45 pm | Group photo |  |
| 3:00 pm | Networking Break | Coffee and Snacks |
| 3:20 pm  | Hurricane Mesoscale Modelling - Extreme wind/wave features of tropical cyclones  | Jiali Wang, Argonne National Laboratory (ANL) |
| 3:40 pm | Estimation of extreme wind loading on offshore wind turbines during typhoons | Atsushi Yamaguchi, Ashikaga Institute of Technology  |
| 4:00 pm | Extreme winds – from extratropical and tropical cyclones | Xiaoli Guo Larsén, Technical University of Denmark (DTU) |
| 4:20 pm | Experimental Investigations to Characterize the Detrimental Effects of Snow/Ice and Rainfalls on Wind Turbines | Hui Hu, Iowa State University |
| 4:40 pm | Discussion | All |
| 5:00 pm | Adjourn |  |
| 6:00 pm | No-host dinner – nearby restaurant (TBD) |  |

**Day 2: Tuesday, 29 October 2024**

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| Time | Topic | Presenter |
| 8:00 am | Check-In Coffee/Tea |  |
| 8:15 am | Summary of Day 1 and today’s agenda  | Walter Musial, NREL  |
| 8:30 am | Someone on certification requirements  | TBD |
| 8:50 am  | Extreme weather and engineering analysis tools  | Jason Jonkman,NREL |
| 9:10 am | Extreme and Rare Events, Extreme Response and Probabilistic Design | Jim Manwell, University of Massachusetts Amherst |
| 9:30 am | Extreme wind simulations under climate change and its Korean industry applications | Jin-Yyoung Kim, Korea Institute of Energy Research (KIER) |
| 9:50 am | Networking Break  | Coffee and Snacks |
| 10:10 am | Measurements of near-surface winds during landfalling tropical cyclones | Brian Hirth,Texas Tech University |
| 10:30 am | Projected changes in hurricane risk to US offshore wind using RAFT | Karthik Balaguru, Pacific Northwest National Laboratory (PNNL) |
| 10:50 am | Assessing & Mitigating Risk to Offshore Wind Energy Infrastructure Exposed to Hurricanes | Andrew Myers, Northeastern University |
| 11:10 am | Archetype monopiles for the US Atlantic coast and veer-induced blade and tower loads | Sanjay Arwade, University of Massachusetts, Amherst |
| 11:30 am | Extreme wind speeds in tropical cyclones using parametric models with IBTrACS | Paul Renaud, France Energies Marines |
| 11:50 am  | Working Lunch\*\* – Presentation on Offshore Wind in the U.S. Gulf of Mexico | Walt Musial,NREL |
| 1:00 pm | Facilitated Full Group Discussion – IEA Task Recommendations | All |
| 2:00 pm | Interactive Poll or Additional Discussion |  |
| 2:15 pm | Coffee Break |  |
| 2:30 pm | Collect main points & identify follow-up responsibilities |  |
| 3:30 pm | Adjourn |  |

*\*\*For our US Govt. guests cost of lunch is $17.00. Cash or checks are welcome, checks can be made payable to The Alliance for Sustainable Energy,  LLC.*