Conference Day 1 | **Wednesday (6 Dec 2023)**

Time	Speaker	Title
8:30 am - 9:00 am	*Registration and Breakfast*	
	(Session chair: Philip Pong, NJIT)	
9:00 - 9:15am	Philip Pong, Sotirios Ziavras, NJIT	Opening
9:15 - 9:35am	Jen Becker, NJEDA	New Jersey Offshore Wind Development
9:35 - 10:00am	David Roop, Mitsubishi Electric	The Bridge for Reliable Grid Integration of Offshore Wind
10:00am - 10:20am	Lyndie Hice-Dunton, NOWRDC	US Offshore Wind: Challenges and Opportunities in a Rapidly Growing Industry
10:20am - 10:40am	*Break, Networking, Exhibition, Student Poster Presentations*	
	(Session chair: Liz Gostkowski, PSEG)	
10:40am - 11:55pm	Panel Discussion: Doug Copeland (Atlantic Shores), Mahdiyeh Khodaparastan (Attentive Energy), Wes Jacob (Leading Light Wind), Richmond Young (Rise Light & Power), Brian O'Boyle (Community Offshore Wind). Moderator: Liz Gostkowski (PSEG)	Wind and Transmission Developers
11:55pm - 12:50pm	*Lunch, Networking, Exhibition, Student Poster Presentations, NJEDA Informal Communities of Practice Meetup (Room 215)*	
	(Session chair: Chad Watson, PSEG)	
12:50pm - 1:15pm	Neil Kirby, GE Vernova	HVDC Offshore Wind Transmission
1:15pm - 1:40pm	Alberto Del Rosso, EPRI	Transmission Technologies to Enable the Integration of Offshore Wind Generation
1:40pm - 2:05pm	Rafael Wilches, PSEG	Grid Interoperability
2:05pm - 2:25pm	*Break, Networking, Exhibition & Student Poster Presentations*	
	(Session chair: Chad Watson, PSEG)	
2:25pm - 2:40pm	Camille-Laurie Normandeau, OPAL-RT	HIL Test Environment for Offshore Wind Studies
2:40pm - 2:55pm	Guiju Song, GE Vernova	Enabling O&M Automation for Offshore Wind
2:55pm - 3:07pm	Jie Li, Rowan	Wholesale Market Preparedness for Offshore Wind Participation
3:07pm - 3:19pm	Philip Pong, NJIT	Contactless Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives
3:19pm - 3:31pm	Marcos Netto, NJIT	ASCENT: From Sensors to Multiscale Digital Twin to Autonomous Operation of Resilient Electric Power Grids
3:31pm - 3:41pm	*Break, Networking, Exhibition & Student Poster Presentations*	
	(Session chair: Marcos Netto, NJIT)	
3:41pm - 3:53pm	Onur Bilgen, Rutgers	OpenTurbineCoDe (OTCD): An Open-Source Floating Offshore Wind Turbine Multidisciplinary Control Co-Design Optimization Framework
3:53pm - 4:05pm	Jimiao Zhang (Postdoc, Rowan)	Hybrid Deloading Control Strategy in MMC-Based Wind Energy Conversion Systems for Enhanced Frequency Regulation
4:05pm - 4:17pm	Abdellatif Elmouatamid (Postdoc, NJIT)	Wind Energy Forecasting
4:17pm - 4:29pm	Gregory Methon (Postdoc, Rutgers)	Design Optimization of Turbine Based Renewable Energy Systems
4:29pm - 4:41pm	Hesam Sharghi (Postdoc, Rutgers)	Modeling of Wind and Hydrokinetic Turbine Blades – Comparison of Different Fidelities of Models
4:41pm - 5:01pm	Zenon Christodoulou, BPU	Offshore Wind in New Jersey

Exhibition:

Atlantic Shores
Alpine Ocean Seismic Survey
Burns & McDonnell
Community Offshore Wind
Leading Wind Light
Mitsubishi Electric
NJIT
NJEDA
OPAL-RT Technologies
PSEG
Siemens Energy

Student Poster Presentation

Conference Day 2	Thursday (7 Dec 2023)		
8:30 am - 9:00 am	*Registration and Breakfast*		
	(Session chair: Philip Pong, NJIT)		
9:00am - 9:05am	Philip Pong, NJIT	Opening	
9:05am - 9:30am	Marilyn Sauls, BOEM	Outer Continental Shelf (OCS) Renewable Energy	
9:30am - 9:55am	Jian Fu, DOE WETO	Offshore Wind Strategy and Approach to Offshore Transmission	
9:55am - 10:20am	Susan McGill, PJM Interconnection	Regional Planning for Offshore Wind	
10:20am - 10:40am	Haya Qureini, Burns & McDonnell	High Voltage Transmission Work Force	**Student Poster Presentation**
10:40am - 11:00am	*Break, Networking, Exhibition, Student Poster Presentations*		
	(Session chair: Rafael Wilches, PSEG)		
11:00am - 11:20am	Judith Sheft, NJCSIT	Driving Economic Transformation - Innovation / Entrepreneurship / Collaboration	
11:20pm - 11:40pm	Mark Huang, SeaAhead	Bluetech Enter Venture Innovation	
11:40pm - 12:00pm	Duncan Turner, SOSV	The First Check for Decarbonised Economy	
12:00pm - 12:55pm	*Lunch, Networking, Exhibition, Student Poster Presentations*		
	(Session chair: Chad Watson, PSEG)		
12:55pm - 1:15pm	William O'Hearn, Offshore Power LLC	Offshore Wind Energy—Changing the Narrative	
1:15pm - 1:35pm	James Thompson, New Jersey League of Conservation Voters	Environment and Community: Building a supportive constituency for offshore wind	
1:35pm - 2:25pm	Panel Discussion: Edward Pierce (Ivy Hill Neighborhood Association), Melissa Miles (NJ Environmental Justice Alliance), Ana Gatson (Apex Solutions) Moderator: Robin Tabakin (Technoforce LLC)	New Jersey Offshore Wind Workforce Training	
2:25pm - 2:40pm	*Break, Networking & Exhibition, Student Poster Presentations*		
	(Session chair: Weina Meng, Stevens)		
2:40pm - 2:52pm	Aparna Varde, Montclair	AI in Smart Environment & Energy for Social Good	
2:52pm - 3:04pm	Yi Bao, Steven	Feasibility Study on the Scouring Monitoring for the Foundations and Underwater Cables of Offshore Wind Turbines	
3:04pm - 3:16pm	Jorgen Dronnen (OSC, Norway)	Offshore Operation Simulators	
3:16pm - 3:28pm	Ashwin Vaidya, Montclair	The Fluid Dynamics of Auto-rotating Bodies and Insights into Optimal Design of VAWTs	
3:28pm - 3:40pm	Behrad Koohbor, Rowan	On-site Repair of Wind Turbine Composites by Cold Spray	
3:40pm - 3:52pm	Muhannad Suleiman, Lehigh University	Large-scale Lab Testing and Hybrid Simulation of Offshore Wind Turbines	
3:52pm - 4:02pm	*Break, Networking, Exhibition & Student Poster Presentations*		
	(Session chair: Chad Watson, PSEG)		
4:02pm - 4:14pm	Michael Mueller, Princeton	Computational Fluid Dynamics Modeling of Full-Scale Offshore Wind Farms	
4:14pm - 4:26pm	Pramod Abichandani, NJIT	Small Drones, Big Future	
4:26pm - 4:38pm	Pankaj Lal, Montclair	Offshore Wind-Energy Sustainability and Analytics Research	
4:38pm - 4:50pm	Meghann Smith, Montclair	Life Cycle Assessment of Offshore Wind Projects, estimating Scope 1, 2, and 3 Emissions	
4:50pm - 5:02pm	Nathaniel Wei (Postdoc, Princeton)	Power-Generation Enhancements in Floating Offshore Wind Turbines Undergoing Axial Surge Motions	
5:02pm - 5:17pm	Ahmed Mousa, PSEG	A Vision of the Future Grid with Wind: Opportunities & Challenges	
5:17pm - 5:22pm	Philip Pong, NJIT	Closing	

#1 Andy Garcia, James Sullivan, Anjali Viswanathan, Saranya Guttikonda, Yusuf Lee, Geries Zalzal (Rutgers)	RU Wind – Rutgers Collegiate Wind Competition Team is Building a Floating Offshore Wind Turbine
#2 Akhyurna Swain (NJIT)	Magnetic Modeling of Wind Turbine Drive Trains for Electrical & Mechanical Fault Classification
#3 Nicholas Volpe, Khalil Elhaj, Sheharyar Khan (NJIT)	Power-To-X: An Economic Analysis of Offshore Wind Energy Conversion Tactics
#4 Michelle Hernandez (NJIT)	Optimizing Wind Power Generation: Developing a Digital Twin for Real-Time Monitoring and Analysis
#5 Riya Karande (NJIT)	IoT Sensing Platform for Remote Monitoring and Real-Time Data Analysis of Offshore Wind Turbines
#6 Raaid Kabir (NJIT)	Deploying Federated and Distributed Learning for Offshore Wind Power Prediction
#7 Brianna Reynolds (Montclair)	Assessing the Feasibility of Seaweed Farm-Offshore Wind Co-Location
#8 Juan Lopez Muro (Rutgers)	Control Co-Design of Floating Offshore Wind Turbies
#9 Mohammad Katibeh, Chintan Lakhani (Rutgers)	Design Optimization of Wind Turbine Blades with Morphing Surfaces
#10 Amir Javadi (NJIT)	DeepOnet: Physics-Informed Neural Network
#11 Ratna Raj (NJIT)	Hybrid Modular Multilevel Converters for HVDC Transmission in Offshore Wind Energy
#12 Ali Zabihi (Rowan)	Characterization of wave propagation in wind turbine blades
#13 Patrick Wilk (Rowan)	Proactive Production Forecasting to Support Offshore Wind Development
#14 Faith Monesteri (Montclair)	Applying SWOT-AHP Analysis to New Jersey Offshore Wind
#15 Kripa Shrestha (Montclair)	Offshore Wind Development and Associated Impacts on Recreational Fisheries in New Jersey- A Sociospatial Approach
#16 Ruthie Finkelman (Montclair)	Integrating Machine Learning Architectures to Predict Offshore Wind Turbine Output
#17 Kevin Vargas (Montclair)	Computations and Experiments on Optimal Design for Vertical Axis Wind Turbines
#18 Rae Cade (Montclair)	The LCOE of New Jersey's Offshore Wind Farm
#19 Rojyar Barhemat (Stevens)	Structural health monitoring and condition assessment for offshore wind turbines
#20 Isabele Bittencourt (Monrtclair)	Sentiment Analysis on Offshore Wind Energy in New Jersey
#21 Michael Ptak (NJIT)	Digital Twin of Offshore Wind Farm
#22 Feng Ye (Rutgers)	AIRU-WRF: a Physics-Guided Data Science Model for Offshore Wind Forecasting in the U.S. Mid-Atlantic Offshore Wind Energy Areas

Version (2.10)