

OSES2024 DAY 0 Tuesday July 9, 2024 NEW BEDFORD HARBOR HOTEL			DAY ZERO
TIME	SESSION	ACTIVITY	
1830-2030	BK	OSES2024 ICEBREAKER! (AND SO IT BEGINS) New Bedford Harbor Hotel, New Bedford 1830hrs Cocktails	
OSES2024 DAY 1 Wednesday July 10, 2024 SMAST EAST 836 South Rodney French Blvd. New Bedford			DAY ONE
TIME	SESSION	ACTIVITY	
0745-0845	BK	DELICIOUS BREAKFAST	
0845-0900	INTRO	OPENING REMARKS AND WELCOME OSES CHAIRS (<i>Rupp Carriveau, Seamus Garvey, Tonio Sant</i>) and SMAST DIRECTOR	
0900-0930	S1	SESSION 1: PLENARY TALK Islands In the Sea: Offshore Turbine Marine Life Ecosystems <i>Dr. Kevin Stokesbury</i> Dean and Professor University of Massachusetts Dartmouth, School for Marine Science & Technology (SMAST)	
0930-1000	S2	SESSION 2: ENGINEERING FOR ENVIRONMENTAL IMPACTS OF OFFSHORE ENERGY ASSETS SESSION CHAIR: <i>Dr. Rupp Carriveau</i> , Professor and Director, Environmental Energy Institute, University of Windsor	
0930-0945	S2.1	Potential Impacts of Offshore Wind Energy Development on Physical Processes and Scallop Larval Dispersal over the US Northeast Shelf <i>C. Chen, L. Zhao, L. Wang, S. Li, P. He, and K. Stokesbury</i> School for Marine Science and Technology, University of Massachusetts-Dartmouth	
0945-1000	S2.2	Monitoring and Mitigating the Impacts of Offshore Wind Farms on Fisheries <i>Steven X. Cadrin</i> *School for Marine Science and Technology, University of Massachusetts-Dartmouth	
1000-1030	S3	SESSION 3: PLENARY TALK Wind Energy Explained, Expanded, and Evolving <i>Dr. James F. Manwell</i> Professor, Founding Director, Wind Energy Center University of Massachusetts Amherst	
1030-1045	BK	ENERGIZING 15MIN BREAK	
1045-1145	S4	SESSION 4: OFFSHORE ENERGY GENERATION TECHNOLOGIES 1 SESSION CHAIR: <i>Dr. Zhiwen Wang</i> , Associate Professor, Dalian Maritime University, China	
1045-1100	S4.1	Ideal Specific Power for Offshore Wind Turbines Based on Grid Value <i>Chris Qin* and Eric Loth*</i> *Washington State University, *University of Virginia	
1100-1115	S4.2	Wind Farm Grid Classes to Quantify Intermittency and Decarbonization Economics <i>Chris Qin* and Eric Loth#</i> *Washington State University, *University of Virginia	
1115-1130	S4.3	Numerical Study of Wind-Farm Wake Impingement on Component Health <i>Julian Quick*, Edward Hart*, and Yi Guo*</i> *Technical University of Denmark, *University of Strathclyde	
1130-1145	S4.4	Energy System Modelling of a Wave Energy Farm and a Tidal Energy Farm Combined with Hydrogen Production <i>J. Guichard, R. Rawlinson-Smith, and D. Greaves</i> University of Plymouth	
1145-1230	BK	OH SO TASTY 45MIN LUNCH	
1230-1300	S5	SESSION 5: PLENARY TALK Co-Optimizing Offshore Resource Potential Through Relationship Building <i>Ms. Jennifer Downing</i> Executive Director, New Bedford Ocean Cluster	
1300-1415	S6	SESSION 6: ECONOMIC ENABLING TOOLS AND ENERGY SYSTEMS INTEGRATION SESSION CHAIR: <i>Dr. Eric Loth</i> , Rolls-Royce Professor, Mechanical and Aerospace Engineering, University of Virginia	
1300-1315	S6.1	Monte Carlo Comparison of Multi-Party vs. Conventional Two-Party Wind Energy Power Purchase Agreements <i>Alessandra Kerr*, Rupp Carriveau*, Matt Davison*</i> *University of Windsor, *Western University	
1315-1330	S6.2	Digital Dynamic Agent (DDA) Driven Energy Contract Negotiation <i>Milad Rezamand*, Rupp Carriveau*, Jacqueline Stagner*, Matt Davison*</i> *University of Windsor, *Western University	
1330-1345	S6.3	The Effect of the Capacity Factor of Wind Turbines on the Overall Electricity Cost <i>B. Cardenas, S. Garvey, Z. Baniamerian, R. Mehdipour</i> University of Nottingham	
1345-1400	S6.4	A Design and Optimization Tool for Integrated Renewable-Hydrogen Microgrid Systems <i>Jack Cimorelli, Victor Eniola, Christopher Niezrecki, Xinfang Jin, and David Willis</i> University of Massachusetts Lowell	
1400-1415	S6.5	Investigating Wind Speed Fluctuation Effects on Optimal Sizing of Hybrid Wind-Hydrogen Energy Subsystems <i>V. Eniola, J. Cimorelli, C. Niezrecki, D. Willis and X. Jin</i> University of Massachusetts Lowell	
1415-1430	BK	INSPIRING 15MIN BREAK	
1430-1500	S7	SESSION 7: OFFSHORE RENEWABLES SUPPORT TECHNOLOGIES SESSION CHAIR: <i>Ms. Megan Roney</i> , Business Development Manager, Toromont/CAT	
1430-1445	S7.1	Finite Element Modelling of Dynamic Offshore Power Cables For Floating Offshore Renewable Energy Systems <i>D.M. Smitha, L.S. Cunninghamb, L. Chenc</i> University of Manchester	
1445-1500	S7.2	The Importance of Surface Preparation in Leading Edge Protection Durability <i>R. Sanderson and M. Rodgers</i> Wind Energy Institute of Canada (WEICan)	
1500-1530	S8	SESSION 8: OSSES2024 2 MINUTES TO MIDNIGHT PITCH SESSION SESSION CHAIR: <i>Dr. Seamus Garvey</i> , Professor, Director of the Rolls-Royce UTC in Gas Turbine Transmission Systems, University of Nottingham Registered OSSES2024 Participants Take A Shot and Make 2 Minute Pitch To OSSES Assembly - Conversations To Continue on NBOC Vineyard Offshore Wind Tour Cruise	
1630-1730	BK	VINEYARD OFFSHORE WIND FARM TOUR CRUISE PRE-TOUR COCKTAILS <u>Assemble at Merrill's on the Waterfront For 1630 HRS.</u>	
1730-1930	BK	VINEYARD OFFSHORE WIND FARM TOUR CRUISE BOARDING SPONSORED BY NEW BEDFORD OCEAN CLUSTER <u>Assemble at Cuttyhunk Ferry Pier 1730 HRS Board Vessel at 1800 HRS</u> *NOTE* Post Cruise Cocktails To Follow Informally At Another Exciting Village Location (TBA Night Of)	