

Bootcamp Day 1

Monday (4 Dec 2023)

8:30 am - 9:00 am	Registration and Breakfast	
	<i>(Session chair: Philip Pong, NJIT)</i>	
9:00am - 9:10am	Philip Pong, NJIT	Opening
9:10am - 9:25am	Dan Fatton, NJEDA	New Jersey Offshore Wind Development
9:25am - 10:55am (Course 1)	Dylan Mills, Bluepoint Wind	Offshore Wind Farm Overview: Site selection criteria, key environmental considerations, wind farm design, array design, overview of major equipment in an offshore wind farm, foundations and substructures review, etc.
10:55am - 11:10am	Break, Networking	
	<i>(Session chair: Philip Pong, NJIT)</i>	
11:10am - 12:40pm (Course 2)	Henning Schmitt, Vestas	Generation: Components of a wind turbine generator, power curves and capacity factor, power production, energy yield assessment, wake effects, turbine technology, evaluating wind turbines, etc.
12:40pm - 1:25pm	Lunch, Networking	
	<i>(Session chair: Chad Watson, PSEG)</i>	
1:25pm - 2:55pm (Course 3)	David Slee, Burns & McDonnell	Offshore Wind Export Cable Systems: Export cable system review, cable transition at landfall, onshore cable system, cable protection and control, cable selection, developing cable route, etc.
2:55pm - 3:10pm	Break, Networking	
	<i>(Session chair: Chad Watson, PSEG)</i>	
3:10pm - 4:40pm (Course 4)	Eugen Starschich, Siemens Energy	Offshore Substations: AC/DC & DC/DC conversion, major equipment with the OSS, offshore meshed grid

Bootcamp Day 2 Tuesday (5 Dec 2023)

8:30 am - 9:00 am

Registration and Breakfast**(Session chair: Philip Pong, NJIT)**

9:00am - 9:30am

Upendra Chivukula, BPU Emeritus

Offshore Wind: Legal Aspects and Policy Pathways

9:30am - 11:00am
(Course 5)

John Pauling, Orsted

Offshore Wind Construction: Foundation installation, turbine installation, logistics and supply chain management

11:00am - 11:15am

Break, Networking, Exhibition**(Session chair: Philip Pong, NJIT)**11:15am - 12:45am
(Course 6)

Chad Watson, Rafael Wilches, PSEG / Panos Moutis, City College New York

Grid Interconnection and Standardization: Introduction to ISOs/RTOs, grid interconnection process, review of PJM studies, IEEE 2800 Standard for Interconnection and Interoperability of Inverters-Based Resources Interconnecting with Associated Transmission Electric Power Systems

12:45pm - 1:30pm

Lunch, Networking, Exhibition**(Session chair: Chad Watson, PSEG)**1:30pm - 3:00pm
(Course 7)

Megan Hayes, Atlantic Shores

Wind Policy: Wind Power Policy, Regulation, and Environmental Aspects

3:00pm - 3:15pm

Break, Networking & Exhibition**(Session chair: Chad Watson, PSEG)**3:15pm - 4:45pm
(Course 8)

Christophe Sabatier, Walter Breen, GE Vernova

Operation and Maintenance: O&M required on wind turbines and major components across an offshore wind project, maintenance cycles for major equipment

4:45pm - 5:00pm

Networking, Exhibition

Examination (online, take-home)

Administered by Philip Pong (NJIT), Abdellatif El Mouatamid (NJIT)

Attendees will take an exam comprising of ~40 multiple choice questions from all the courses and a survey through the online portal

Exhibition:**Atlantic Shores**
Alpine Ocean Seismic Survey
Burns & McDonnell
Community Offshore Wind
Leading Light Wind
Mitsubishi Electric
NJIT
NJEDA
PSEG
Siemens Energy