



PRELIMINARY AGENDA & CALL FOR POSTER ABSTRACTS

Conference topic: Testing the Waters for Ocean Wind, Wave, Tidal Energy Development in New England

Conference Date: Wednesday May 16, 2018

Location: Center for Innovation and Entrepreneurship 151 Martine Street, Fall River, MA

Purpose: The purpose of this conference is to bring together representatives of industry, government and research to share updates on the progress, opportunities and challenges of commercializing ocean energy in the US. Ocean energy is seen as a large, untapped frontier with initial successes demonstrated in Europe in the form of large offshore wind farms, with more modest testing and demonstrations of more nascent wave and tidal technologies. There are many risks and high costs to developing devices that can survive in the harsh ocean environment. One fundamental solution to de-risk the development of new technologies is to provide developers with a place to test their devices in the ocean waters, close to shore near infrastructure, a ready supply chain and a capable workforce, to facilitate commercialization.

With recent investments by MACEC and others in the Wind Technology Test Center; the New Bedford Marine Commerce Terminal (designed to serve as an assembly area for offshore wind operations) and the newly installed Bourne Tidal Test Site, MA is looking more and more attractive as place for ocean energy device developers to test equipment and manufacture it here for the US and export markets.

Sponsored by the Center for Innovation and Entrepreneurship and Massachusetts Clean Energy Center with assistance from the Marine Renewable Energy Collaborative. Additional organizational sponsors include: Marine and Oceanographic Technology Network, Marine Technology Society's Marine Renewable Energy Committee, others.

Who should attend? This conference will provide attendees (device developers, supply chain participants, workforce planners, investors and interested citizens) with a snap shot of what is going on in ocean energy in MA and New England. There will be plenty of time for networking and information exchange. Technical posters will be displayed by students and faculty.

PRELIMINARY AGENDA (Check here for updates) <https://www.umassd.edu/innovate/events/marinerenewableenergyconference/>

10:30 Registration and coffee

University Research Posters on Display throughout conference. See Call for Poster Abstracts below)

11:00 Intros and Overview: Tobias Stapleton, CIE Executive Director

11:15: Keynote Address: Galen Nelson, Sr. Director Innovation & Industry Support, MassCEC Overview of what the State of MA is thinking with regards to creating a business environment for clean energy technology development. Specifically, Ocean Energy (wind, tides, waves)



Galen is the Senior Director of Innovation and Industry Support at the Massachusetts Clean Energy Center where he leads a team focused on providing targeted, strategic, and timely resources to help clean energy companies and entrepreneurs develop technologies, while moving closer to commercialization and market traction in established and emerging markets. The team's multi-disciplinary approach includes efforts to strengthen workforce resources, inform market growth policy, develop and manage competitive technology development, demonstration and commercialization acceleration grant programs, and support key components of the Massachusetts clean energy industry eco-system. Galen's individual work focuses primarily on microgrids, energy storage, and energy resilience.

12:00-1:15 Lunch and Networking *University Research Posters on Display throughout conference*

1:15-2:15 Panel 1: State of the Ocean Energy Playing field in New England

- Offshore Wind: Rachel Pachter V.P. Permitting Affairs, Vineyard Wind
- Ocean Waves: William Staby, President and CEO, Resolute Marine
- Tidal Energy: David Duquette, President Littoral Systems
- Other TBD

2:15-2:30: Coffee and Networking *University Research Posters on Display throughout conference*

2:30-3:30 Panel 2: NE Assets to Support Ocean Energy Development

- Supply Chain: Elise Korejwa, Sr. Research Associate, UMD Public Policy Center
- Training: Megan Amsler: Self Reliance, Inc.
- Tech and Maritime support (Cables, Instrumentation, Sensors): Rhonda Moniz,Hydroid, MOTN/MTS
- Structural design and manufacturing: Carl Horstmann, MassTank

3:30-4:30: Panel 3: Testing Infrastructure for Ocean Energy: Session Chair: John Miller, MRECo

- MA Wind Technology Test Center: TBA
- MRECo Bourne Tidal Test Site (BTTS), Eben Franks, MRECo Operations and Site manager
- Massachusetts Maritime Academy; Hung "Tom" Pham, Dir. Ctr. For Renewable and Responsible Energy (CRRE)



Over the last ten years, Mr. Pham has been involved in MMA's green energy initiatives and renewable energy projects including tidal energy generation. With his wealth of experience in facility engineering and project management at the Academy he has led and successfully completed various hydrokinetic demonstration projects in the Cape Cod Canal and Muskeget Channel. He is now spearheading the Academy's Center for Renewable & Responsible Energy, supporting the testing and monitoring of renewable energy devices as well as providing support for training programs. Mr. Pham is a professional licensed USCG unlimited mate on ocean going vessels. He has earned both Master of Science in Facilities Management and Bachelor of Science in Marine Transportation degrees from Massachusetts Maritime Academy.

4:30-5:00 PM Regional incubator to global market: Lessons along the path to commercialization: John Ferland, President & COO, ORPC, Inc.



John Ferland is responsible for ORPC's daily operations, which now encompass twenty-six employees working in three countries on two continents. In addition to company headquarters in Portland, Maine, an operations center in Eastport, Maine, and a project office in Anchorage, Alaska, wholly-owned subsidiaries of ORPC are located in Montreal (EMARQ) and Dublin (ORPC Ireland). He has served as CEO of an oil spill response company and mentored numerous startups as director of a technology entrepreneur assistance program. John has an undergraduate degree from the University of Maine and a Master of Marine Affairs from the University of Rhode Island.

5-6PM: Refreshments and Networking *University Research Posters on Display throughout conference*

Call for Technical Poster Abstracts

This one day conference aims to bring together ocean energy businesses, developers, government folks to look at what testing facilities and infrastructure are available and needed to bring ocean energy systems to commercial levels right here in the Commonwealth. A Preliminary Agenda for the conference is available at:

<https://www.umassd.edu/innovate/events/marinerenewableenergyconference/>.

Wednesday May 16, 2018 Conference : Testing the Waters for Ocean Wind, Wave and Tidal Energy Development in New England

Time: 10:30 AM – 6:00PM

Location: Center for Innovation and Entrepreneurship; 151 Martine Street, Fall River, MA

Due Date: Submit Poster Abstract no Later than Monday April 30, 2018 to Conference manager, maggielmerrill@gmail.com

Format: 300 word description with figures and/or entire proposed poster is acceptable as an abstract if one exists already. Please include author name (s), research/poster title, university affiliation, email address and tel/text.

Topics to include:

Test and evaluation of ocean wind, wave and tidal parameters

Ocean wind, wave, tidal energy device innovations

Small scale ocean wind, wave, tidal devices in need of testing prior to commercialization

Other related topics will be considered.

The posters will be displayed in reception area all day at the conference. Poster authors are expected to stand by their posters during the registration, coffee breaks, part of lunch (you can certainly eat lunch!) and during the reception. Student and faculty poster authors are provided free admission to the conference which includes free parking, refreshments and lunch.