



January 14th: John Miller, UMass Dartmouth

Marine Renewable Energy Center

This month we are lucky to cover an entirely new topic: John Miller, Director of the Marine Renewable Energy Center at UMass Dartmouth, will talk about ocean energy sources, discussing technologies for wind, wave, tidal and current energy.

There is much talk of off-shore wind, but how "off"-shore is possible, given mooring, transmission, and other challenges? What about other sources of ocean energy: current, tidal and wave? How and when can these technologies provide clean energy for New England and the world?

These questions are the focus for MREC, working to uncover the newest opportunities for clean, renewable energy from the ocean.

MREC was established in 2007, the second of two such centers in the world. It heads a University Research Consortium, founded in 2008, including UMass Dartmouth, UNH, University of Rhode Island, MIT, Woods Hole Oceanographic Institution, and others.

It is internationally active; its annual conferences cover technologies used globally; policies and planning issues; addressing concerns in order to create a solid foundation for this new industry.

MREC is part of the Dartmouth Advanced Technology and Manufacturing Center (ATMC), founded in 2001. ATMC is an incubator center for new companies in New England, devoted to successful commercialization of new technologies. ATMC brings together the components required to implement ocean renewable energy in a sustainable manner for our region; the same ocean which has had such an important role in New England's economic life and prosperity.

Location: First Parish in Cambridge Unitarian Universalist
3 Church Street, Harvard Square, Cambridge
Time: Presentation begins at 7:30 PM; Doors open at 7:00 PM

John has 25 years of experience in technology commercialization in several major industries including Materials (Micro Magnetics), Fine Chemicals (Polaroid), Telecommunications (GTE), Photonics/Measurement Sciences (Federal Products), and Cryogenics (XL Technology). He has led a variety of projects including a \$20 million development that yielded 40% ROI.

He received his BS in Engineering from the United States Military Academy, West Point, an MS in Engineering from the University of Washington, and an MBA from Worcester Polytechnic Institute. He has a long-standing interest in renewable energy and has worked on various projects in the field, including being the UMass Dartmouth representative to the UMass System Clean Energy Working Group, a founding member of the New England Clean Energy Council, developing the Clean Energy Lab (CEL) and actively supporting the Sustainability Initiatives at UMass Dartmouth.

John is also on the governing board for The Massachusetts Ocean Partnership.

Join us for this fascinating new discussion, January 14th
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