

# Nova Scotia Tidal Energy Research Symposium and Forum Program

14-15 May 2013

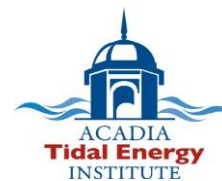
KC Irving Environmental Science Centre, Acadia University, Wolfville, NS

<i>Day 1 - Tuesday, May 14<sup>th</sup></i>		
<b>8:30 - 9:10</b>	<b>Registration</b>	<b>Lower Foyer</b>
<b>9:10 - 9:35</b>	<b>Opening and Welcoming Remarks</b>	<b>Auditorium</b>
	Symposium Introduction	Graham Daborn, Acadia University
	Welcome	Tom Herman, VP Academic, Acadia University
	Department of Energy Overview	Murray Coolican, Deputy Minister, Nova Scotia Department of Energy
	Marine Renewable Energy Overview	Stephen Dempsey, Executive Director, Offshore Energy Research Association of Nova Scotia (OERA)
<b>9:35 - 10:10</b>	<b>Presentations: Updates on Marine Renewable Energy in Nova Scotia</b>	<b>Auditorium</b>
	FORCE: Activity in the Minas Passage	Doug Keefe, Executive Director, FORCE
	Digby Gut and Passages: Site Characterization	Richard Karsten, Acadia University
	Strategic Environmental Assessments	Russell Dmytriw, AECOM
	Community & Business Tidal Energy Toolkit: Supporting Tidal Energy Development in NS	John Colton, Acadia University
<b>10:10 - 10:30</b>	<b>Break</b>	<b>Garden Room</b>
<b>10:30 - 12:00</b>	<b>Presentations: Technical</b>	<b>Auditorium</b>
	FORCE's Sensor Platform Project	Tony Wright, FORCE
	Turbulence Measurement in High Speed Tidal Channels: Results from an Initial Experiment, and Future Directions	Alex Hay, Dalhousie University
	Cross-coupling between Device-level CFD and Oceanographic Models Applied to TISECs in Minas Passage and Petit Passage	Richard Karsten, Acadia University
	Mapping the Bay of Fundy	John Shaw, Geological Survey of Canada
	Seasonal Change in Grain Size and Erodibility on a Tidal Channel-flat Complex in Kingsport, N.S.	Brent Law, Fisheries & Oceans Canada
<b>12:00 - 1:15</b>	<b>Lunch</b>	<b>Garden Room</b>
<b>1:15 - 2:05</b>	<b>Research &amp; Development: Priorities and Collaboration</b>	<b>Auditorium</b>
<b>1:15 - 1:35</b>	OERA Priorities & Collaboration	Stephen Dempsey, OERA
<b>1:35 - 1:55</b>	University of Massachusetts Research Priorities	Dan MacDonald, University of Massachusetts, Dartmouth
<b>1:55 - 2:05</b>	International Social Science Research Priorities in Marine Renewable Energy	Shelley MacDougall, Acadia University
<b>2:05 - 3:00</b>	<b>Breakout Session: Collaboration &amp; Engagement in Tidal Energy Research &amp; Development</b>	<b>Various Rooms</b>
<b>3:00 - 3:15</b>	<b>Break</b>	<b>Garden Room</b>
<b>3:15 - 3:30</b>	Report on Breakout Session	Graham Daborn, Acadia University
<b>3:30 - 4:15</b>	<b>Panel Discussion: Financing Research &amp; Development</b>	<b>Auditorium</b>
	Financing & Risk in Tidal Energy	Shelley MacDougall, Acadia University
	Feed-in Tariffs	Geoff Keith, Synapse
	Financing Marine Renewable Energy Research	Carey Ryan, OERA
	NSERC Research Funding Opportunities & Successes	Richard Isnor, NSERC
<b>4:15 - 4:25</b>	<b>Day 1 Overview</b>	Graham Daborn, Acadia
<b>5:00 - 7:00</b>	<b>Reception and Research Posters</b>	<b>Fountain Commons</b>

## Nova Scotia Tidal Energy Research Symposium and Forum Program

<i>Day 2 - Wednesday, May 15<sup>th</sup></i>		
<b>8:30 - 9:00</b>	<b>Registration</b>	<b>Lower Foyer</b>
<b>9:00 - 9:05</b>	Day 2 Welcome	Graham Daborn, Acadia University Auditorium
<b>9:05 - 10:30</b>	<b>Presentations: Technical</b>	<b>Auditorium</b>
	A Review of Water Velocity and Tidal Height Data Obtained in and Around the FORCE Demonstration Site	Simon Melrose, Oceans Ltd.
	Getting Plugged In: Assessment of Cable Lay Operations for Tidal Energy Developments in the Minas Passage	Dean Steinke, DSA Ltd.
	Measurement of Long-Term Ambient Noise and Tidal Turbine Levels in the Bay of Fundy	Bruce Martin, JASCO
	Sediment-laden Ice: Is it a Serious Impediment to Subsurface Tidal Turbines in Minas Passage?	Brian Sanderson, ACER
	Criteria for Site Selection of Tidal Power In-Stream Devices: The Importance of the Geological Environment	Jon Mackie, Seaforth Geosurveys
<b>10:30 - 10:50</b>	<b>Break</b>	<b>Garden Room</b>
<b>10:50 - 12:20</b>	<b>Presentations: Technical</b>	<b>Auditorium</b>
	Intertidal Sediment Dynamics: Challenges, Lessons Learned and Potential Impacts of Tidal Power Development	Danika van Proosdij, Saint Mary's University
	Development of Temporal Monitoring Techniques for Benthic Habitat Impacts of Tidal Energy	Craig Brown, McGregor Geoscience Ltd.
	Assessment of Zooplankton Injury and Mortality from Two Deployments of Underwater Tidal Energy Turbines	David Schlezinger, University of Massachusetts, Dartmouth
	Use of Hydroacoustic Telemetry to Understand the Movements of Fish and Lobsters in the Minas Passage	Anna Redden, Acadia University
	Passive Acoustic Monitoring of Harbour Porpoise at the FORCE site in Minas Passage	Jason Wood, Sea Mammal Research Unit Ltd.
<b>12:20 - 1:30</b>	<b>Lunch</b>	<b>Garden Room</b>
<b>1:30 - 2:30</b>	<b>Breakout Session: Solutions to Research Challenges</b>	<b>Various Rooms</b>
<b>2:30 - 3:00</b>	<b>Reporting Back</b>	Group Leads Auditorium
<b>3:00 - 3:10</b>	<b>Next steps moving forward / Closing remarks</b>	Anna Redden, Acadia University Auditorium
<b>3:10 - 3:30</b>	<b>Refreshments/Networking</b>	<b>Garden Room</b>

### Event Organizers



### Event Sponsors

