Nova Scotia Tidal Energy Research Symposium and Forum Program

14-15 May 2013

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

Day 1 - Tuesday, May 14 th				
8:30 - 9:10	Registration		Lower Foyer	
9:10 - 9:35	Opening and Welcoming Remarks		Auditorium	
	Symposium Introduction	Graham Daborn, Acadia University		
	Welcome	Tom Herman, VP Academic, Acadia University	ý	
	Department of Energy Overview	Murray Coolican, Deputy Minister, Nova Scoti	a Department of Ener	
	Marine Renewable Energy Overview	Stephen Dempsey, Executive Director, Offsho Association of Nova Scotia (OERA)	re Energy Research	
9:35 - 10:10	Presentations: Updates on Marine Renewable Energy in Nov	va Scotia	Auditorium	
	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		
10:10 - 10:30	Break		Garden Room	
10:30 - 12:00	Presentations: Technical		Auditorium	
	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.	l- Brent Law, Fisheries & Oceans Canada		
12:00 - 1:15	Lunch		Garden Room	
1:15 - 2:05	Research & Development: Priorities and Collaboration		Auditorium	
1:15 - 1:35	OERA Priorities & Collaboration	Stephen Dempsey, OERA		
1:35 - 1:55	University of Massachusetts Research Priorities	Dan MacDonald, University of Massachusetts,	Dartmouth	
1:55 - 2:05	International Social Science Research Priorities in Marine Renewable Energy	Shelley MacDougall, Acadia University		
2:05 - 3:00	Breakout Session: Collaboration & Engagement in Tidal Eng	ergy Research & Development	Various Rooms	
3:00 - 3:15	Break		Garden Room	
3:15 - 3:30	Report on Breakout Session	Graham Daborn, Acadia University	Auditorium	
3:30 - 4:15	Panel Discussion: Financing Research & Development		Auditorium	
	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		
1:15 - 4:25	Day 1 Overview	Graham Daborn, Acadia	Auditorium	
			Fountain	
5:00 - 7:00	Reception and Research Posters		Commons	

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Day 2 - Wednesday, May 15 th				
8:30 - 9:00	Registration		Lower Foyer	
9:00 - 9:05	Day 2 Welcome	Graham Daborn, Acadia University	Auditorium	
9:05 - 10:30	Presentations: Technical		Auditorium	
	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		
10:30 - 10:50	Break		Garden Room	
10:50 - 12:20	Presentations: Technical		Auditorium	
	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 Massaschusetts	, Dartmouth	
	Use of Hydroacoustic Telemetry to Detect Movements of Migratory Fishes 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.		
12:20 - 1:30	Lunch		Garden Room	
1:30 - 2:30	Breakout Session: Solutions to Research Challenges		Various Rooms	
2:30 - 3:00	Reporting Back	Group Leads	Auditorium	
3:00 - 3:10	Next steps moving forward / Closing remarks	Anna Redden, Acadia University	Auditorium	
3:10 - 3:30	Refreshments/Networking		Garden Room	









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