

6th Biannual NRC-IOT Workshop on Underwater Vehicle Technology, Atlantic Room

Thursday 21 October 2010

Event	Start Time	End Time	Speaker	Theme	Title	Affiliation
Registration	08:30	09:00				
Welcome	09:00	09:30	Mary Williams		Opening Remarks & Organizational Items	Director General of NRC-IOT
Present #1	09:30	10:00	David Shea	ROV #1	Using ROVs as a Benthic Habitat Inspection Tool	Memorial University AOSL
Present #2	10:00	10:30	Serdar Soylu	ROV #2	Control of Manipulators for ROVs	University of Victoria
Break	10:30	10:45				
Present #3	10:45	11:15	Gary Dinn	ROV #3	ROV Operations with a Sub-Bottom Profiler	PanGeo Subsea Inc.
Present #4	11:15	11:45	Mae Seto	Autonomy #1	On-Board AUV Autonomy through Adaptive Fins Control	DRDC-Atlantic
Present #5	11:45	12:15	Mingxi Zhou	Autonomy #2	Autonomous Iceberg Draft Measurement Probe (AIDMP)	Memorial University AOSL
Lunch	12:15	13:00			Sandwich Lunch	
Present #6	13:00	13:30	Mae Seto	Autonomy #3	Collaborative AUVs for Survey and Search Missions	DRDC-Atlantic
Present #7	13:30	14:00	David Shea	New vehicle #1	Design and Development of Innovative Twin-Pod AUVs	Marport Deep Sea Technologies Inc.
Present #8	14:00	14:30	Moqin He	New vehicle #2	A Hydrodynamics Simulator Developed for a Twin-Pod AUV	NRC-IOT
Present #9	14:30	15:00	Reynolds Marion	New vehicle #3	Marion Hyper-Sub Provides Daily Access to the Deepes	Marion Hyper-Sub
Break	15:00	15:15				
Present #10	15:15	15:45	Charlie Bishop	Glider #1	A 400 kHz ADCP on a Webb Slocum Ocean Glider	Memorial University AOSL
Present #11	15:45	16:15	Brian Claus	Glider #2	Hybrid Glider Progress and Future Directions	Memorial University AOSL
Present #12	16:15	16:45	Dong Cheol Seo	Glider #3	CFD Predictions for Ocean Gliders	NRC-IOT
Present #13	16:45	17:15	Andrey Morozov	Glider #4	Acoustic Technology for Glider Long-Range Navigation and Communications	Teledyne Webb Research
Tours	17:15	18:30			Tours of NRC-IOT and MUN-AOSL	
Dinner (off-site)	19:30	21:30			Dinner for Invited Speakers only	

Friday 22 October 2010

Present #14	09:00	09:30	Dana Yoerger	Field operations #1	Hydrothermal Vent and Oil Spill Tracking with an AUV	Woods Hole Oceanographic Institution
Present #15	09:30	10:00	James Kinsey	Field operations #2	Recent Field Operations with the Sentry and Nereus Vehicles	Woods Hole Oceanographic Institution
Present #16	10:00	10:30	Jonathan Hudson	Path planning #1	3D Path Planning of a USV for Multiple AUV Operations	Dalhousie University
Break	10:30	10:45				
Present #17	10:45	11:15	Jorge Cabrera	Path planning #2	PINZON: A Path Planner for Underwater Gliders	Universidad de Las Palmas de Gran Canaria, Spain
Present #18	11:15	11:45	Shawn Woods	New capabilities #1	Automated Ballast Control System for an AUV	Dalhousie University
Present #19	11:45	12:15	George Watt	New capabilities #2	UUV Docking with a Submarine Proceeding at Low Speed	DRDC-Atlantic
Lunch	12:15	13:00			Sandwich Lunch	
Present #20	13:00	13:30	Peter King	ISE AUVs #1	MUN Explorer AUV: Developments for Under-Ice Research	Memorial University MERLIN Lab
Present #21	13:30	14:00	Richard Pederson	ISE AUVs #2	The UNCLOS Project - How AUVs are assisting Canada	DRDC-Atlantic
Present #22	14:00	14:30	Manoj Issac	ISE AUVs #3	Manoeuvring Experiments Using the MUN Explorer AUV	Memorial University MERLIN Lab
Present #23	14:30	15:00	William Markuske	ISE AUVs #4	High Resolution Seabed Sub-Bottom Profiler for an AUV	Memorial University MERLIN Lab
Break	15:00	15:15				
Present #24	15:15	15:45	Chris Roper	New capabilities #3	Hydrocarbon Sniffers for AUVs and ROVs for Pipeline Monitoring	Roper Resources
Wrap-up	15:45	16:30	Ralf Bachmayer		Roundtable and Wrap-up Discussion	