



UI 2011 CONFERENCE

MTS Manned Submersible Program



Rev. Feb. 1, 2011

Room 206	DAY 1 Feb. 22, 2011	DAY 2 Feb. 23, 2011	DAY 3 Feb. 24, 2011
8:30-9:00		Development and Construction of the FC-01 Submersible By: Brett Phaneuf Submergence Group LLC, USA	PSUBS - Personal Submersibles Organization Overview By: Jon Wallace Psubs.Org
9:00-9:30	MTS Overview of Manned Sub Activity in 2010 by: William Kohnen MARINE TECHNOLOGY SOCIETY Manned Underwater Vehicles committee, USA	VAS 525 - A 30 year Heritage of Submersible Vehicles with Diver Lockout Capability By: Sean Dooley Nautilus Systems, USA	Atmosphere Monitoring for Manned Submersibles By: Simon Lunt & Michelle Hudson Analox Sensor Technology Ltd, UK
9:30 to 10:00		The Evolution of a High Energy Density Silver Zinc Rechargeable Battery: The History of the MK89 Propulsion Cell and Battery and Current Capabilities. By: Zoe Adamedes BST Systems Inc, USA	Protecting Intellectual Property around the World Mitchell P. Brook Esq Luce, Forward, Hamilton, Scripps LLP, USA
10:00 to 10:30	BREAK	BREAK	BREAK
10:30 to 11:00	Fabrication Status for the ALVIN RHOV Personnel Sphere By: Jerry Henkener Southwest Research Institute, USA	SEAmagine Ocean Pearl Submersibles Delivered in 2010 By: Charles Kohnen SEAmagine Hydrospace Corp, USA	Technology Panel Discussion: High Energy Density Batteries for Manned Submersibles Moderator: William Kohnen Panelists: CORVUS Energy: Brent Perry NAVSEA: Kevin Cook WHOI: Daniel Gomez-Ibanez BST Systems: Zoe Adamedes ABS: Roy Thomas
11:00 to 11:30	Status Update for ALVIN Submersible Upgrade Program By: Kurt Uetz Woods Hole Oceanographic Institution, USA	Applications for ROVs on One Atmosphere Submersibles By: Sean Newsome SeaBotix, USA	
11:30 to 12:00	Performance and Safety of Large Format Lithium Ion Batteries for Human Occupied Vehicles By: Daniel Gomez-Ibanez Woods Hole Oceanographic Institution, USA	NMEA 2000 - an Ideal Network for Underwater Applications By: Jeff Hummel Rose Point Navigation Systems, USA	

	LUNCH	Lunch at the Movies Diving in Mongolia: Adventures in the Land of Chinggis Khan Over, Under & Across Mongolia by: Gregg Mikolasek In Depth International Inc.	LUNCH
1:30 to 2:00	Diving Lake Baikal, Siberia, with Dr. Anatoly Sagalevich By: Paul Isley Botanical Press, Rainforest Flora Inc., USA	Studying the Cost of Navy Certification on Manned Submersibles By: Lori Bennett Applied Research Lab, Penn State Univ., USA	MTS Manned Underwater Vehicle Committee 1:30 to 2:30PM ANNUAL MUVVC MEETING Chair: William Kohnen Co-chair: Vance Bradley Secretary: Daniel Lance
2:00 to 2:30	Sea Trials: Lessons Learned During our First Year Operating Research Submersible Antipodes By: Guillermo Sohnlein OceanGate, USA	The US Navy's Deep Submergence Systems Safety Certification Program By: Alfred H. Ford PE Naval Sea Systems Command	
2:30 to 3:00	Project Palau - Deployment of Manned Submersibles in a Remote Pacific Outpost for Medical Research By: Bobby Adams, Chris Hartman American Aquanaut, USA		
3:00-3:30	BREAK	BREAK	BREAK
3:30 to 4:00	Filming Humboldt Squid Behavior with Red Light Technology Remotely and with Manned Submersibles By: Scott Cassell Undersea Voyager Project, USA	ABS Rule Changes Overview for 2011 ANNUAL ABS-INDUSTRY MEETING By: Roy Thomas ABS Americas, USA	
4:00 to 4:30	Underwater Thruster Technology: How to Interpret and Understand Performance Capabilities By: Omar Rafeh Innerspace Corporation	ABS Rule Changes DISCUSSION	
4:30 to 5:00	Nuytco Overview of Submersible Operations in 2010 By: Phil Nuytten & Jeff Heaton Nuytco Research Ltd		