

## **BREAKING THE SURFACE 2011 – List of lectures**

<b>Lecturer</b>	<b>Institution</b>	<b>Title</b>
<i>Giuseppe Casallino</i>	<i>University of Genoa, Italy</i>	Introducing Agility Within Underwater Floating Manipulation Systems
Daniel Toal	University of Limerick, Ireland	Marine Research 'Smart' Technology vs. Heavy Engineering, MMRRRC, Current and Next Steps
Jim Newman	Woods Hole Marine Systems, Inc., USA	Underwater Vehicle Systems for Archaeological Investigations
Marc Carreras	University of Girona, Spain	SPARUS, a small torpedo shape AUV with hovering capabilities
David Scaradozzi	Università Politecnica delle Marche, Ancona, Italy	Optical Underwater Survey for Archaeology: Integrated robotic system for underwater activities
Pierre Drap	CNRS-LSIS, Marseilles, France	Optical Underwater Survey for Archaeology: A Knowledge-based Approach for Measuring Artefact and Seabed
Fernando Tempera	University of the Azores, Hortha, Azores, Portugal	Multi-platform mapping of seafloor habitats in oceanic environments
Marco Taviani	ISMAR-CNR, Bologna, Italy	The Ultimate Factor in the Discovery And Appreciation of Mediterranean Living Deep Water Coral Communities
Clayton Stewart	US Office of Naval Research - Global (US Dept. of Navy), London, UK	US Office of Naval Research Global Overview
Antonio Pascoal	Institute for Systems and Robotics Instituto Superior Tecnico, Lisbon, Portugal	Cooperative Navigation and Motion Control of Multiple Autonomous Marine Vehicles
George Papatheodorou	University of Patras, Greece	Remote Sensing Techniques and Underwater Archaeology: New Methodological Approaches
Bridget A. Buxton	University of Rhode Island, Kingston, RI, USA	Environment, Education, Adventure: the case for Archaeological Partnerships
Timmothy Gambin	University of Malta, Valencia, Malta	Remote Sensing Technologies and the Management of Underwater Cultural Heritage
Marco Bibuli	CNR-ISSIA, Genoa, Italy	USVs Development Toward Single and Multi-Vehicle Coastal Applications
Vincent Rigaud	IFREMER, Plouzane, France	From Manned Systems to AUVs, Gliders and a New HROV at Ifremer: Reliability VS Autonomy
Edin Omerdic	University of Limerick, Ireland	Future of ROV Piloting