

International Symposium on Occupational Scientific Diving

09-12 November, 2011
Porto Cesareo, Lecce (ITALY)



MEDIASET



ISOSD2011



3rd International Symposium on Occupational Scientific Diving of ESDP

09-12 November, 2011 – Porto Cesareo,
Lecce (Italy)



Symposium Themes

Symposium organisers welcome oral presentations and posters on all fields of scientific diving research and training (science, maritime archaeology, scientific engineering, etc.). Special emphasis is on methods, techniques, and instrumentation in actual underwater fieldwork. In addition to scientific presentations, we encourage you to submit presentations of scientific diving methods, projects characterized by an important contribution of scientific diving, the role of Scientific Divers in MPAs management, etc.

Round tables

- European Scientific Diver: legislation and safety
- Appropriate training path for scientific divers focusing on the worldwide available working scenario

Venues & Travel info

The conference will take place at the hotel complex "Isola lo scoglio", Porto Cesareo, Lecce, Italy (www.isolaloscoglio.it).

The Hotel Lo Scoglio is located in Porto Cesareo, at about 20 km from Lecce. Lecce is easily achievable by highway and train from everywhere. The nearest airport is located in Brindisi (about 35 km north from Lecce), which is connected with the Airport City Terminal in Lecce by bus. However, there will be transportation services for attendants, either from the airport, or from Lecce (airport city terminal, train station) to the Hotel and back.

Organising committee

Massimo Ponti, University of Bologna, Italy
Carlo Cerrano, University of Genova, Italy
Antonio Terlizzi, University of Salento, Italy
Giorgio Caramanna, The University of Nottingham, UK
Rita Auriemma, University of Salento, Italy
Carlo Beltrame, University of Venice, Italy
Roberto Palozzi, University of Tuscia, Italy
Stefano Acunto, International School for Scientific Diving, Italy
Fabrizio Antonioli, ENEA, Italy

The official symposium website is: www.aioss.info

Scientific secretariat

AIOSS c/o CIRSA, Università di
Bologna
Via S. Albero 163, 48123 Ravenna
(Italy)
postmaster@aioss.info
Tel.+39 0544 937400 (office hours)
Fax: +39 0544 937411

Symposium secretariat

Antheus s.r.l. c/o Di.S.Te.B.A
Università del Salento
Ecotekne, Via Monteroni 73100 Lecce
(Italy)
antheus@unisalento.it
Tel/Fax +39 0832298803 (office hours)



ISOSD2011



General program

Date	Time	Session	Title
09/11/2011		Arrivals	
	16:00	Dive (optional)	
	20:00	Dinner	
10/11/2011	08:00	Breakfast	
	08:30	Registration	
	09:00	Welcome	<i>Local authorities and ESDP representative</i>
	09:30	Biology and ecology	Scientific diving techniques to experimentally approach bio-ecological processes
	11:00	Coffee break	
	11:40	Biology and ecology	Scientific diving techniques to experimentally approach bio-ecological processes
	13:00	Light lunch	
	14:20	Biology and ecology	Scientific diving techniques to experimentally approach bio-ecological processes
	15:40	Coffee break	
	16:20	Geology	Scientific diving as tool in remote or difficult places
11/11/2011	18:00	Round Table 1	European Scientific Diver: legislation and safety
	20:00	Social Dinner	
	08:00	Breakfast	
	09:20	Innovation & Technology	New Technology in Underwater Science
	11:00	Coffee break	
	11:30	Poster session	and ITN ESDTN internal meeting
	12:45	Light lunch	
	14:00	Archaeology	Maritime archaeology and coastal landscape
	16:10	Coffee break	
	16:40	Archaeology	Maritime archaeology and coastal landscape
12/11/2011	18:20	Round Table 2	Appropriate training path for scientific divers focusing on the worldwide available working scenario
	20:00	Dinner	
	08:00	Breakfast	
	10:00	Dive (optional)	
		Departures	

ISOSD2011

Thursday 10/11/2011



08:00	Breakfast	
08:30	Registration	
09:00	Welcome	<i>Local authorities</i>
09:20		<i>Philipp Fischer ESDP Steering Committee</i>
09:30	Biology and ecology	Scientific diving techniques to experimentally approach bio-ecological processes
	<i>Chairmen: M. Sayer & A. Terlizzi</i>	
09:30	<i>Invited speaker</i>	You can learn a lot by just looking: diving and marine biology - Prof. Ferdinando Boero - University of Lecce
10:00	Carlo Cerrano	Ecosystem engineers in the mesophotic coralligenous assemblages
10:20	Lorenzo Bramanti	The application of mixed gas closed circuit rebreathers in experimental coral ecology
10:40	Massimo Ponti	Manipulative field experiments to investigate the ecology of the coralligenous assemblages
11:00	Coffee break	
11:40	Biology and ecology	Scientific diving techniques to experimentally approach bio-ecological processes
	<i>Chairmen: M. Weber & M. Ponti</i>	
11:40	Antonio Terlizzi	Experimental monitoring of human impacts in subtidal systems
12:00	Simone Modugno	Three years of observation about the benthic marine macrofauna and fish composition on the artificial underwater barriers off the Emilia-Romagna coast (north Adriatic Sea)
12:20	Ken Collins	Black bream (<i>Spondylisoma cantharus</i>) nest studies
12:40	Roberto Palozzi	A conservation ecology survey on a karst sink-hole in Central Italy
13:00	Light lunch	
14:20	Biology and ecology	Scientific diving techniques to experimentally approach bio-ecological processes
	<i>Chairmen: K. Collins & C. Cerrano</i>	
14:20	Martin Sayer	Seaweed and oomycete benthic diversity in the Canadian marine Arctic: managing scientific diving operations in a remote location
14:40	Christian Lott	Habitat and physiology of a chemosynthetic marine worm – the contribution of field research and its constraints
15:00	Stefano Acunto	Monitoring the recovery of Maldivian reefs ten years after the mass mortality of the 1998
15:20	Miriam Weber	SEDCOR: How sediment influences coral calcification
15:40	Coffee break	
16:20	Geology	Scientific diving as tool in remote or difficult places
	<i>Chairmen: M. Schipek & G. Caramanna</i>	
16:20	Franco Tassi	The 2011 seismic crisis at Santorini (Greece): new insights from fluid geochemistry of submarine and subaerial emissions
16:40	Giorgio Caramanna	Scientific diving techniques for the study of flooded sinkholes in Italy
17:00	Marco Ponèpal	Continuous measurement of gas discharge at Point 21, Panarea, Italy
17:20	Mandy Schipek	Gas geochemistry at the submarine volcano Panarea, Italy - results from 2006 to 2011
17:40	Alessio Rovere	Scuba scientific diving and beach monitoring: examples from Liguria (NW Mediterranean Sea)
18:00	Round Table 1	European Scientific Diver: legislation and safety
	<i>Chairmen: M. Sayer & G. Caramanna</i>	
20:00	Social Dinner	

ISOSD2011

Friday 11/11/2011



08:00	Breakfast	
09:20	Innovation & Technology	New Technology in Underwater Science
	<i>Chairmen: C. Lott & A. Norro</i>	
09:20	Elaine Azzopardi	Diving computers: seeing isn't always believing
09:40	Arne Sieber	Head up display for full face masks
10:00	Benjamin Kuch	GSM/GPS diving computer for underwater tracking and mapping
10:20	Alain Norro	Marine habitat mapping ground truth. Testing the position accuracy of a geo-localization system used for <i>in-situ</i> sampling against a 'state of the art' acoustic USBL device
10:40	Marco Palma	From underwater surveys to interactive virtual 3D visualization: new tools for spatial analyses and coastal management
11:00	Coffee break	
11:30	Poster session	and ITN ESDTN internal meeting
12:45	Light lunch	
14:00	Archaeology	Maritime archaeology and coastal landscape
	<i>Chairmen: M. Anzidei & G. Mastronuzzi</i>	
14:00	<i>Invited speaker</i>	Prof. Giuliano Volpe - Rector of the University of Foggia
14:30	Essi Keskinen	Cultural heritage in Hossa area
14:50	Vladimir Kovačić	A submerged building in the Busuja bay (Poreč, Croatia)
15:10	Ida Koncani Uhač	Savudrija (Umag, Croatia): a research programme for the harbour and the coastal landscape in the Roman age
15:30	Saso Poglajen	Multibeam application in underwater archaeology
15:50	Rita Auriemma	The Marano Lagoon landscape during the Roman age: a study in progress
16:10	Coffee break	
16:40	Archaeology	Maritime archaeology and coastal landscape
	<i>Chairmen: R. Auriemma & G. Volpe</i>	
16:40	Angelo Cossa	Coastal landscapes archaeology in southern Apulia. Ancient semi-submerged structures behind the modern harbour in Otranto
17:00	Cristiano Alfonso	The ancient coastal landscape of Marine Protected Area of Porto Cesareo (Lecce, Italy): recent researches
17:20	Giuseppe Mastronuzzi	New archaeological evidences of relative sea level changes along the coastlines of Apulia (southern Italy)
17:40	Maurizio Simeone	Sea level variations since Roman time and coastal landscape modifications in the Marine Protected Area "Gaiola Underwater Park"
18:00	Claudia Pizzinato	Underwater archaeological parks: some ideas for the underwater archaeological sites of Leptis Magna and Apollonia (Libya)
18:20	Round Table 2	Appropriate training path for scientific divers focusing on the worldwide available working scenario
	<i>Chairmen: A. Sieber & S. Acunto</i>	
	Planned interventions: Sieber, Acunto, Ponti	
20:00	Dinner	