

1st European Conference on Scientific Diving

01-03 March, 2015 – Stuttgart (Germany)

Organized by

the Scientific Diving Group University of Stuttgart (WiTUS),

the German Academy of Underwater Sciences (GAUSS)

in collaboration with

the German Underwater Federation (VDST)

and the Scientific Committee of the World Underwater Federation (CMAS)

Our partners



CONFERENCE OVERVIEW

SUNDAY – 01. MARCH 2015	
	ARRIVAL
17:30	REGISTRATION
18:30	DINNER
20:00	GET-TOGETHER (PUB, BEER)

DAY 1 – 02. MARCH 2015	
09:00	REGISTRATION
10:00	SESSION 1 – TECHNIQUES AND EDUCATION
11:00	COFFEE BREAK
11:30	SESSION 1
12:30	LUNCH
13:30	SESSION 1
14:30	INDUSTRY EXHIBITION POSTERS GROUP PHOTO & COFFEE
15:30	SESSION 2 – GEOLOGICAL RESEARCH
16:30	MEETING OF CMAS SCIENTIFIC DIVING CENTERS
18:30	DINNER

DAY 2 – 03. MARCH 2015	
10:00	SESSION 3 – ARCHAEOLOGY
11:00	COFFEE BREAK & POSTERS
11:30	SESSION 3 & SESSION 4 – TECHNIQUES AND EDUCATION
12:30	LUNCH
13:30	SESSION 4 & SESSION 5 – BIOLOGICAL & ECOLOGICAL RESEARCH
14:30	INDUSTRY EXHIBITION POSTERS GROUP PHOTO & COFFEE
15:30	SESSION 5 – BIOLOGICAL & ECOLOGICAL RESEARCH
17:10	CONCLUDING REMARKS

CONFERENCE PROGRAM

DAY 1 – 02. MARCH 2015

SESSION 1 – TECHNIQUES AND EDUCATION

Chair: Ralph-Walter Müller

10:00	OPENING REMARKS / WELCOME ADDRESS
10:20	TEN YEARS TEACHING SCIENTIFIC DIVING TECHNIQUES Angel Luque and José Antonio Martin
10:40	PREREQUISITES FOR SCIENTIFIC WORK UNDER WATER Broder Merkel, Christoph Mehrens, Nico K. Michiels and Thomas Pichler
11:00	COFFEE BREAK
11:30	NON INVASIVE METHODS IN SHALLOW MARINE HABITATS Constanze Conrad
11:50	HIGH-RESOLUTION RESEARCH OF SHALLOW MARINE, FRESH WATER SYSTEMS AND UNDERWATER CONSTRUCTIONS USING MULTIBEAM ECHOSOUNDERS. Svetlana Dunchevskaya
12:10	BUILT TO DIVE Emily Hammes and Simon Schubert
12:30	LUNCH
13:30	DIVER DEPLOYED TIME-LAPSE CAMERA SYSTEM FOR ECOLOGICAL STUDIES AND ITS PRACTICAL APPLICATION – POLAR NIGHT, SPITSBERGEN Piotr Balazy and Piotr Kuklinski
13:50	GEOLOGICAL SAMPLING TECHNIQUES FOR UNDERWATER RESEARCH - AN OVERVIEW Richard Stanulla, Thomas Pohl, Robert Ganß and Broder Merkel
14:10	VDST RESSORT SCIENTIFIC DIVING – TRAINING OF CMAS SCIENTIFIC DIVERS Christin Müller, Katja Winkler, Gerd Maack, Gerald Barth, Herbert Frei, Ulrich Freier, Gerd Knepel, Ralph-Walter Müller, Thomas Pohl and Franz Brümmer
14:30	INDUSTRY EXHIBITION POSTERS GROUP PHOTO & COFFEE

SESSION 2 – GEOLOGICAL RESEARCH Chair: Broder Merkel	
15:30	SUBMARINE DISCHARGE TO THE DEAD SEA Thomas Pohl, Christian Sieberta and Broder Merkel
15:50	THE USE OF SCIENTIFIC DIVING IN SUPPORT OF A NOVEL CARBON DIOXIDE RELEASE EXPERIMENT Martin D.J. Sayer, Peter Taylor and Henrik Stahl
16:10	THE COMPLEX GEOECOLOGICAL VOLCANIC LAKE STUDIES IN CONNECTION WITH UNDERWATER ERUPTION Sergey Fazlullin
16:30	MEETING OF CMAS SCIENTIFIC DIVING CENTERS

DAY 2 – 03. MARCH 2015

SESSION 3 – ARCHAEOLOGY

Chair: Sergey Fazlullin

10:00	OPENING REMARKS
10:20	UNDERWATER ARCHAEOLOGY IN CROATIA – SCIENTIFIC DIVING METHODS USED IN UNDERWATER RESEARCH AND SURVEYS Jurica Bezak and Igor Miholjek
10:40	UNDERWATER ARCHAEOLOGY IN SPAIN FROM THE UNIVERSITY OF ZARAGOZA. Manuel Martin-Bueno and Elena Martin Cancela
11:00	COFFEE BREAK & POSTERS
11:30	ON THE STRUCTURAL STRESS EVOLUTION FOR THE RAY OF JUPITER JOINT ON TWO SHIPWRECK FROM VI B.C. AND III B.C CENTURIES O. Mateos, E. Martín-Cancela, J.A. Bea and Manuel Martin-Bueno
11:50	ARTEFACTS OR ECOFACTS? ASSESSING TIMBERS FROM THE SUBMERGED MESOLITHIC LANDSCAPE AT BOULDNOR CLIFF, UK Sara Rich and Garry Momber

SESSION 4 – TECHNIQUES AND EDUCATION

Chair: Christin Müller

12:10	GAS SAMPLING AT SUBMARINE VOLCANOS Broder Merkel and Thomas Pohl
12:30	LUNCH
13:30	METHODOLOGY OF VOLCANIC GAS DISCHARGE MEASUREMENTS IN SHALLOW WATER SYSTEMS Marco Ponepal, Katrin Bauer, Gerald Barth and Broder Merkel
13:50	FACILITIES FOR SCIENTIFIC DIVING TRAINING Franz Brümmer, Christin Müller and Ralph-Walter Müller

SESSION 5 – BIOLOGICAL AND ECOLOGICAL RESEARCH	
Chair: Nico K. Michiels	
14:10	<p>THE COLONISATION OF SHELL CONCRETE FOR USE IN ARTIFICIAL REEFS Ben Robinson and Ken Collins</p>
14:30	<p>INDUSTRY EXHIBITION POSTERS COFFEE</p>
15:30	<p>DRIVERS OF KELP VULNERABILITY IN SOUTHERN EUROPE: EVIDENCE OF TOP-DOWN INFLUENCES ACROSS THE PORTUGUESE COAST João N. Franco, Thomas Wernberg, Iacopo Bertocci, Pedro Duarte, David Jacinto, Nuno Vasco-Rodrigues, Paulo Maranhão, Tania R. Pereira, Isabel Sousa-Pinto and Fernando Tuya</p>
15:50	<p>RADIAL SURVEY OF DISCARDED <i>NEPHROPS NORVEGICUS</i> INDICATES HIGH SURVIVAL RATES AND COHABITATION Ralf Bublitz, Michael Roach, Caroline Pindar and Magnus Johnson</p>
16:10	<p>DIVERSITY AND ECOLOGICAL CORRELATES OF RED FLUORESCENCE IN MARINE FISHES Nils Anthes, Jennifer Theobald and Nico K. Michiels</p>
16:30	<p>BIOCENOSIS OF FRESH WATER SPONGES AND <i>DREISSENA POLYMORPHA</i> OF LAKE CONSTANCE Andreas U. Müller, Valentin Gutekunst and Franz Brümmer</p>
16:50	<p>HOW FISH PLAY TRICKS WITH LIGHT Nico K. Michiels, S. Seeburger, M. G. Meadows, C. M. Champ, R. Fritsch and Nils Anthes</p>
17:10	<p>CONCLUDING REMARKS</p>