

IN POSEIDON'S REALM XXI

International Conference on Underwater Archaeology

*"Underwater archaeology -
Interdisciplinary approaches and technical innovations"*

Archaeological Heritage Office of Saxony

in Dresden, **21.-24.4.2016**

Under the patronage of the Lord Mayor of the State Capital Dresden Mr. Dirk Hilbert

Associates:

- Archaeological Heritage Office of Saxony
- DEGUWA
- State Capital Dresden
- Technische Universität Bergakademie Freiberg

Programme

Thursday, April 21th 2016

➤ **10:00 – 17:30 h**

Excursion by bus: Stiftskirche Ebersdorf (Koggenmodell) and State Museum of Archaeology in Chemnitz (smac)

Chair: Stefan Krabath, Archaeological Heritage Office of Saxony

Meeting point: Palaisplatz, 01097 Dresden

Lunch in Chemnitz

Parallel:

➤ **10:00 – 17:00 h**

Seminar: *Geologie für Unterwasserarchäologen*

Chair: Scientific Diving Center/TU Bergakademie Freiberg

Venue: Vor dem Meißner Tor 8, 09599 Freiberg

Friday, April 22th 2016

➤ **09:00 – 10:15 h**

Guided Tour through the State Capital Dresden

Chair: NN

Meeting point: Theaterplatz, König-Johann-Denkmal

➤ **11:00 – 17:00 h**

Excursion: Museums of State Capital Dresden

Chair: NN

Meeting point: Theaterplatz, König-Johann-Denkmal, Dresden

Parallel:

➤ **11:00 – 17:00 h**

Seminar: *Waterlogged wood in archaeological contexts*

Chair: Christiane Hemker, Liane Albrecht

Venue: Archaeological Heritage Office of Saxony, Zur Wetterwarte 7, 01109 Dresden

➤ **18:00 – 19:00 h**

Registration

Venue: Archaeological Heritage Office of Saxony, Zur Wetterwarte 7, 01109 Dresden

➤ **19:00 h**

Opening Posterpresentation and afterwards

Come Together with drinks and snacks

Venue: Archaeological Heritage Office of Saxony, Zur Wetterwarte 7, 01109 Dresden

Saturday, April 23th 2016

Venue: Archaeological Heritage Office of Saxony, Zur Wetterwarte 7, 01109 Dresden

➤ **08:00 – 9:00 h**

Registration

➤ **09:00 h**

Academic Part: Lectures I

09:00 h

Words of Welcome

09:15 – 10:55 h

Chair: Christoph Börker

History of Technology, Economic and Cultural History

Averdung, Denise

Chair meets ship - Wood Connection Techniques in Comparison

Belasus, Mike et. al.

Between North Sea and Norwegian Sea – Interdisciplinary Studies on the trade of the Hanse in the North Atlantic

Daehnhardt, Hans Wilhelm und Hristov, Hristomir

The storm of the Sea People and the Battle of the Delta

Ritondale, Manuela et al.

The Roman shipwreck of Punta dell'Arco (Ventotene) and the lead transport in the late Republic

Rösch, Felix

The late 11th c. Schleswig waterfront – infrastructure and organization of a major trading port between Viking Age and Hanseatic League

10:55 – 11:25 h

Coffee break

11:25 – 12:45 h

Archaeological Documentation

Bekić, Luka and Scholz, Roman

Photo-based methods for documentation in the limnic and maritime archaeology, A case study of a shipwreck off Veruda Island

Enzmann, Jonas and Wilkes, Feiko

How to document a wreck that you barely see? Advantages of Structure from Motion in waters with visibility less than one meter

Olkhovskiy, Sergey
Acoustic Profiling in Phanagoria water area in 2012-2015

Demesticha, Stella
Amphorae as cargoes: from drawings to 3D models

12:45 – 13:15 h **Discussion**

13:15 – 15:00 h **Lunch break**

15:00 – 16:20 h **Chair: Thomas Reiser**

Survey

Skarlatos, Dimitrios and Savvidou, Eleni
Coastal Survey of archaeological sites using drones

Zazzaro, Chiara, Romolo Loreto and Enzo Cocca
3D Surveying of an Eighteenth-Century Merchantman off the Red Sea coast of Saudi Arabia

Reconstruction and Geographic Information Systems

Pellegrini, Alessandro
GIS technology as a support for the interpretation of submerged sites and the reconstruction of ancient environment

Sciancalepore, A. and Severi, E.
New computer technologies applied to the underwater archaeology of Lake Bolsena (Lazio - Italy)

16:20 – 16:50 h **Coffee break**

16:50 – 17:50 h

Diving Technology

Sanna, Laura
Man vs robot in underwater archaeology: Advantages and limits of using technology in the study of a wreck-site

Tiboni, Francesco
Instrumental archaeology in Italy – Ten years of experiences in different scenarios

Zmaić Kralj, Vesna; Macura, Jerko and Miholjek, Igor
Underwater Archaeology in Croatia – Scientific diving methods used in underwater research and surveys

17:50 – 18:20 h **Discussion**

20:00– 21:00 h Public Festive Evening Lecture:

Katerina Dellaporta

Methodology: Deontology, ethics and practice in underwater archaeology

Venue: Kulturrathaus State Capital Dresden, Königstraße 15, 01097 Dresden

Afterwards: Reception by the associates

Sunday, April 24th 2016

Venue: Archaeological Heritage Office of Saxony, Zur Wetterwarte 7, 01109 Dresden

Academic Part: Lectures II

09:00 – 10:20 h Chair: Boris Mijat

Data Processing

Capulli, Massimo

In situ preservation: An archaeological and engineering project in the upper Adriatic Sea

Neophytou, Andonis

Managing digital mistakes: restructuring the documentation system of the Mazotos shipwreck site

Preservation of Cultural Heritage

Berger, Olivier

How can we better preserve the finds and make underwater archaeology more accessible to the public?

Tusa, Sebastiano

The wide role of technology in the management of Underwater Cultural Heritage. Sicilian case studies

10:20 – 10:50 h Coffee break

10:50 – 11:50 h **Chair: Winfried Held**

Regional Projects

Kulesza, Wojciech

Interdisciplinary research of site Żółte in Poland

Reinfeld, Michaela

News from the Red Sea – The Underwater Archaeology Project of the University of Marburg

Semaan, Lucy

Surveying the waters of Anfeh, Lebanon: preliminary results and future prospects

11:50 – 12:20 h **Discussion**

12:20 – 14:00 h **Lunch break**

14:00 – 15:20 h **Chair: Christoph Schäfer**

Sites

Cvikel, Deborah

A multidisciplinary research project based on underwater archaeology

Negueruela, Iván et al.

After the Odyssey spoil: the archaeological Campaign of August-2015 in "La Mercedes", at 1.200 m depth

Prokhorov Roman Yuryevich, Galaida Igor Valerievich, Lukoshkov Andrey Vasilyevich

Excavation and conservation of the German ship 'Archangel Raphael'

Hac, Benedykt; Święch, Andrzej W. and Neubauer, Tomasz

Interdisciplinary research of the sunken Legacy from World Wars

15:20 – 15:50 h **Coffee break**

15:50 – 16:30 h **Material Analysis**

Valetyrova, Kateryna

Metal Artifacts and Weapons from the Medieval Shipwreck in the Black Sea: Various Aspects of Research

Liphschitz, Nili and and Gluscevic, Smiljan

Zaton Boat 2, Croatia: A Dendroarchaeological Investigation

16:30 h **Closing discussion and
Questions concerning the UNESCO-Convention 2001
Discharge**