

5TH
EUROPEAN
CONFERENCE ON
SCIENTIFIC DIVING



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Conference Programme – Wednesday 24th April – Day 1

- 08.00 – 09.25 Registration (*To avoid the queue, please do not come to the last moment*)
Time for uploading and checking first presentations in Session 1
Pre-booked participants sign the Diving-day documents
- 09.25 – 09.45 Conference opening with introductory word by IO PAN Director
Prof. Jan Marcin Węśławski
- 09.45 – 10.30 **Guest Lecture from Dr Richard Pyle:**
“Explorations and discoveries on deep coral reefs”
- Session 1 Underwater research tools and techniques, Chairperson: Dr Piotr Bałazy**
- 10.30 – 10.45 “Fluid composition of the submarine geothermal system Panarea: Development of sampling techniques during the period 2006 – 2018” (**Broder Merkel** et al.)
- 10.45 – 11.00 “Galapagos coral monitoring with action cameras” (**Ken Collins** et al.)
- 11.00 – 11.20 Coffee break
- 11.20 – 11.35 “An easy method to assess 3D underwater habitat complexity” (**Elisabeth Riera** et al.)
- 11.35 – 11.50 “Sampling of hydrothermal mineral precipitates under protective atmosphere” (**Victoria Kürzinger** et al.)
- 11.50 – 12.05 “Removal of invasive water plants with innovative methods” (**Joost Bergsma** and **Martijn Dorenbosch**)
- 12.05 – 12.20 “Visual documentation as typical tool of applied scientific diving for standard testing procedures on barrages and other engineering constructions” (**Richard Stanulla** et al.)
- 12.20 – 13.20 Lunch
- 13.20 – 13.35 “Visual strip transects on harbour pier in the Polish coastal zone” (**Mariusz Sapota** et al.)
- 13.35 – 13.50 “The Underwater Biotechnological Park of Crete, a multi-use experimental platform in the Eastern Mediterranean” (**Thanos Dailianis** et al.)
- Session 2 Marine and freshwater life studies, Chairperson: Assoc. Prof. Dr Adam Sokołowski**
- 13.50 – 14.05 “Study of seasonal and multiannual pattern of recruitment and development of sessile benthic fauna in the coastal zone of the Baltic Sea using SCUBA diving” (**Adam Sokołowski** et al.)

- 14.05 – 14.20 “Sediment carbon sinks in Baltic Sea seagrass meadows” (**Maria Włodarska-Kowalczyk** et al.)
- 14.20 – 14.35 “Antarctic glaciers melting as secondary source of anthropogenic radioisotopes of ⁹⁰Sr and ¹³⁷Cs in benthic organisms - preliminary results” (**Michał Saniewski** et al.)
- 14.35 – 14.55 Coffee break
- 14.55 – 15.10 “A multilevel approach in the study of infralittoral communities in northern Iberia” (**Marisa Gomes** et al.)
- 15.10 – 15.25 “Interannual variability of environmental conditions in the Antarctic intertidal zone” (**Maciej Chęłchowski** et al.)
- 15.25 – 15.40 “From an offshore artificial reef to high-altitude lakes in Peru: Successional experiments and biological inventories of poorly studied aquatic environments” (**Bernabé Moreno** et al.)
- 15.40 – 15.55 “Shallow benthic ecological studies from pole to pole” (**Piotr Kukliński** et al.)
- 15.55 – 16.30 **Poster session** with drinks and snacks
- Conference side meetings
- 16.30 – 18.30 **CMAS Scientific Diving Centres meeting** (room no.)
- 18.45 – 21.00 **Conference Dinner** (We are meeting at the IO PAN car park)

Conference Programme – Thursday 25th April – Day 2

09.15 – 10.00

Guest Lecture from **Dr Jacek Kot:**

“Physiological risk factors in scientific-diving”

Session 2 cont. Marine and freshwater life studies , Chairperson: Dr Martin Sayer

10.00 – 10.15

“Antarctic biomineralizers as proxies of climate change: a transplantation experiment via Scuba Diving in one the most extreme underwater natural laboratories” (**Chiara Lombardi** et al.)

10.15 – 10.30

“MARINEFF oyster restoration studies” (**Ken Collins** et al.)

10.30 – 10.45

“Studying oyster reef restoration (Netherlands)” (**Floor Driessen** et al.)

10.45 – 11.00

“Linking seasonal larval variability with recruitment processes on experimental panels in the Arctic” (**Marta Ronowicz** et al.)

11.00 – 11.20

Coffee break

11.20 – 11.35

“Coastal protection affects fish in stormy waters-Revealing benthic faunas’ diel patterns using a stationary ROV in the southern North Sea” (**Christopher Gross** and **Philipp Fischer**)

11.35 – 11.50

“SCUBA as a major tool to study influence of seabird colonies on Arctic shallow benthic communities” (**Katarzyna Zmudczyńska-Skarbek** et al.)

11.50 – 12.05

“The use of scuba diving for the sight-aesthetic value assessment of underwater landscapes of selected lakes of the Wigry National Park” (**Anna Żróbek-Sokolnik** et al.)

12.05 – 12.20

“In situ long term observation of *Dendrophyllia ramea*” (**Claudio Provenzani** et al.)

12.20 – 12.35

“In search of seasonal and inter-annual patterns governing the life of Arctic epibenthos - year round polar diving operations at Spitsbergen and Northern Norway” (**Piotr Bałazy** et al.)

12.35 – 13.35

Lunch

Session 3

Speleology and geology, Chairperson: Dr Jarosław Kur

13.35 – 13.50

“A decade of marine biological research in marine caves of the Eastern Mediterranean Sea” (**Vasilis Gerovasileiou**)

13.50 – 14.05

“Benthic fauna in a submarine cave (Cueva de la Herradura) of the Spanish coast: preliminary results” (**Elena Romano** et al.)

14.05 – 14.20

“Geological and structural mapping of holocene small-scaled secondary subsidence structures at Area 26, Panarea, Italy” (**Judy Adamek** et al.)

- 14.20 – 14.35 “Concentration of Mercury in submarine hydrothermal vents at the underwater volcanic area of Panarea” (**Lukas Lohmann** et al.)
- 14.35 – 14.50 “How to collect plankton in caves. Groundwater copepods in Southern Poland” (**Jarosław Kur**)
14. 50 – 15.10 Coffee break
- 15.10 – 15.15 **Group photo**
- 15.30 – 19.30 Guided **social excursion** around the old town in Gdańsk
(We are meeting at the IO PAN car park)

Conference Programme – Friday 26th April – Day 3

- 09.00 – 09.45 **Guest Lecture from Tomasz Stachura:**
“Protection of Baltic Titanics – wrecks of Steuben, Wilhelm Gustloff and Goya”
- Session 4** **Submerged in the past, Chairperson: Prof. Maria Włodarska-Kowalczyk**
- 09.45 – 10.00 “Underwater archaeology in Poland in the light of works carried out by National Maritime Museum in Gdansk” (**Robert Domżał**)
- 10.00 – 10.15 “Not a Terracota Army but...Sacrificial site from the Roman Period and Middle Ages in the Lake Lubanowo” (**Bartosz Kontny**)
- 10.15 – 10.30 “Who own the submerged past” (**Andrzej Pydyn**)
- Session 5** **Organizational and legal issues in scientific diving, Chairperson: Prof. Piotr Kukliński**
- 10.30 – 10.45 “Training occupational scientific diving: The scheme developed during the last 10 years in Belgium” (**Alain Norro**)
- 10.45 – 11.05 Coffee break
- 11.05 – 11.20 “From fieldwork to European standards: on the use of diving protocols for marine life assessments - interactive talk) (**Guérin Laurent and Anna Lizińska**)”
- 11.20– 11.35 “The French National Committee for Scientific Diving – CNPS” (**Gerard Thouzeau** et al.)
- 11.35 – 11.50 “An open invitation to the World Scientific Diving Training Council” (**Derek Smith**)
- 11.50 – 12.05 **Concluding remarks, awards for best talks and posters, and Information about next years’ ECSD**
- 12.05 – 13.05 Lunch
- Conference side meetings
- 13.05 – 16.05 **Meeting of the Polish Scientific Diving Community with ESPD representatives** *(large hall)*

Diving day* – Saturday 27th April – Day 4

*for pre-booked participants having dry suit and complete diving gear (except weights and tanks)

08.15 – 09.00 Transport from IO PAN to **R/V Oceania**

(We are meeting at the IO PAN car park)

09.00 – 11.00 Cruise to dive destination (Puck Bay)

11.00 – 12.00 **Dive 1** – Wreck around 20 m depth

12.00 – 13.00 Lunch

13.00 – 14.00 **Dive 2** – Shallow rocky “reef”

14.00 – 17.00? Cruise to the harbour

17.00 – 17.30? Get back to IO PAN