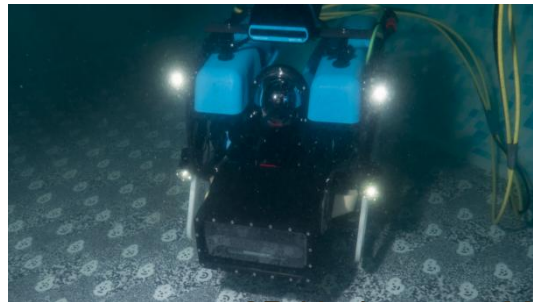
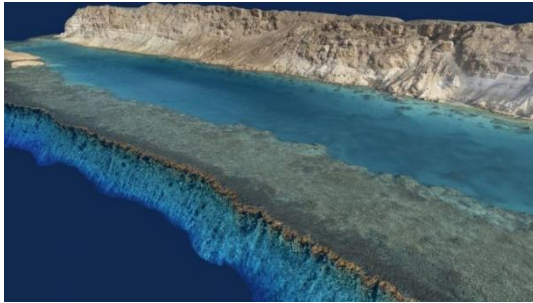


3rd International Workshop

3D Underwater Mapping from Above and Below



Welcome to Vienna



Welcome to TU Wien



ISPRS WG II/7 Underwater Data Acquisition and Processing

<https://www2.isprs.org/commissions/comm2/wg7/>



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ISPRS WG II/7

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Benchmark
Become a Member

Underwater Data Acquisition and Processing

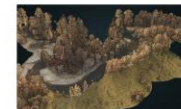
Our Mission

ISPRS Working Group II/7 wants to contribute to the global goals for an ocean science for sustainable development, by fostering geomatic methods for through- and under-water data acquisition and processing.

WG II/7 will promote an interdisciplinary exchange in the fields of environmental monitoring and ecology, heritage recording, industrial measurement and hydrodynamics, with a view to increase our current knowledge of the underwater world and its response and resilience to, and impact on climate change. For this purpose, WG II/7 will boost the development, testing and operability of 3D image and range-based sensors and techniques for measurement and virtualization of inland, coastal and open sea underwater environments, also through the effective use of autonomous and human guided vehicles.

WG II/7 will organise and support in-presence and on-line workshops and events on through- and under-underwater photogrammetry and related disciplines, seeking for contributions of experts from the marine archaeology, engineering, robotics, marine science, fisheries and aquaculture communities. WG II/7 activities include collecting, organising and sharing benchmark datasets to stimulate genuine competition between researchers towards innovative solutions to problems relevant to the community. To make its actions more effective, WG II/7 will work in close collaboration with ICGW III/1 and the other WGs from TCII.

WG II/7



3D Underwater workshop: Facts and numbers

- After 8 months of preparation we look back and ahead to
 - **62** abstract submissions
 - **43** published papers in ISPRS Archives

Year	Event/Title	Date / Place	Volume	Type
2025	ISPRS WG II/7 3D Underwater Mapping from Above and Below – 3rd International Workshop	8-11 Jul Vienna, Austria	XLVIII-2/W10-2025	digital

- **57** oral and/or poster presentations
- **105** registered participants from
- **21** countries
- **4** continents

Scientific Committee

Panagiotis Agrafiotis	TU Berlin	Fabio Menna	Univ. of Sassari
Markus Aufleger	Univ. of Innsbruck	Christian Mulsow	TU Dresden
Caterina Balletti	Univ. of Venice	Erica Noccerino	Univ. of Sassari
Fabio Bruno	Univ. of Calabria	Andreas Nüchter	Univ. Würzburg
Alessio Calantropio	Univ. Parthenope of Naples	Norbert Pfeifer	TU Wien
Alessandro Capra	Univ. of Modena	Alexander Reiterer	Fraunhofer IPM
Silvio Del Pizzo	Univ. Parthenope of Naples	Katja Richter	TU Dresden
Rafael Garcia	Univ. of Girona	Alessandro Ridolfi	Univ. of Firenze
Nuno Gracias	Univ. of Girona	Robin Rofallski	Jade Univ. Oldenburg
Kevin Koser	Univ. Kiel	Hannes Sardemann	TU Dresden
Antonio Lagudi	Univ. of Calabria	Dimitrios Skarlatos	Cyprus Univ. of Technology
Thomas Luhmann	Jade Univ. Oldenburg	Uwe Soergel	Univ. of Stuttgart
Hans-Gerd Maas	TU Dresden	Patrick Westfeld	BSH Rostock
Gottfried Mandlbürger	TU Wien	Lukas Winiwarter	Univ. of Innsbruck

Organizing committee

Chairs

Gottfried Mandlbürger TU Wien
Erica Nocerino University of Sassari
Fabio Menna University of Sassari

Local Organizing Committee

Laure-Anne Gueguen TU Wien, GEO, Photo
Jan Rhomberg-Kauert TU Wien, GEO, Photo
Nina Magnet TU Wien, GEO, Photo
Felix Ortog TU Wien, GEO, Photo



On-site team

- **Katharina Riederer**
- **David Simböck**
- **Lucas Dammert**
- **Stefanie Germann**
- **Thirawat Bannakulpiphat**



Sponsors



Program

- **Tuesday**
 - 6 Tutorials
 - Icebreak including VR-Demo
- **Wednesday and Thursday**
 - Presentations
 - Oral long/short: 15/10 min
 - Poster: 3 min pico + poster-time
 - Sessions
 - Laser Bathymetry
 - Underwater/Through-water Photogrammetry
 - AI, Sensor Calibration and Cultural Heritage
- **Friday**
 - Field Excursion to Pielach River including Live Demos



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