

Monday, 1. October 2012

Hotel Colentum

8:30 – 9:15 OPENING SESSION

Matko Barisic, University of Zagreb, Croatia

Nikola Miskovic, University of Zagreb, Croatia

9:15 – 10:45 Equipment Presentation Session

Antonio Vasiljevic, University of Zagreb, Croatia

Scott Bentley, VideoRay, USA

Joao Sousa, OceanScan, Portugal

10:45 – 11:15 Coffee break

11:15 – 12:45 Equipment expo and walk through

Hotel patio and pool

12:45 – 15:00 Lunch break

15:00 – 15:45 Mission briefing Marine Biology

Petra Rodic, State Institute for Nature Protection, Croatia

Tatjana Bakran Petricoli, University of Zagreb, Croatia

Claudia Kruschel, University of Zadar, Croatia

15:45 – 16:30 Mission briefing Maritime Archaeology

Irena Radić Rossi, University of Zadar, Croatia

Kruno Zubčić, Croatian Conservation Institute, Zagreb

16:30 – 17:00 Coffee break

17:00 – 18:30 Group 3 OceanScan LAUV tutorial

(somebody from OceanScan), OceanScan, Portugal

Tuesday, 2. October 2012

MARINE BIOLOGY FIELDWORK

Offshore location

Indicated start times are when the power boat shuttle leaves Podvrške pier

Indicated end times are when the power boat shuttle arrives back at Podvrske pier

Please reserve 15 min for strolling from the hotel to the Podvrske pier

8:45 – 10:15 Group 1

9:45 – 11:15 Group 2

10:45 – 12:15 Group 3

12:15 – 14:45 Lunch break

14:45 – 16:15 Group 4

15:45 – 17:15 Group 5

16:45 – 18:15 Group 6

OCEANSCAN LAUV TRAINING SESSION

	Practical track	Tutorial track
	<i>Podvrske pier</i>	<i>Hotel Colentum</i>
9:00 – 10:30	Group 3	Group 4
10:30 – 12:00	Group 4	Group 5
12:00 – 13:30	Group 5	Group 6
13:30 – 15:00	Lunch break	
15:00 – 16:30	Group 6	Group 1
16:30 – 18:00	Group 1	Group 2
18:00 – 19:30	Group 2	

TUTORIALS

Hotel Colentum

T1: Optical Measurement of Underwater Objects

David Scaradozzi, Polytechnic university of Marche, Italy

Pierre Drap, National Center for Scientific Research (CNRS), France

T2: Using R Language to Analyze Videographic Data on Benthic Biological Community Coverage

Stewart Schultz, University of Zadar, Croatia

T3: Underwater Image Mosaicing

Armagan Elibol, Yildiz Technical University, Turkey

T4: TargAn

George Papatheodorou, University of Patras, Greece

	T1 Session 1	T2 Session 1
9:00 – 10:30	Group 5	Group 6
10:30 – 12:00	Group 6	Group 1
12:00 – 13:30	Group 1	Group 2
13:30 – 15:00	Lunch break	
15:00 – 16:30	Group 2	Group 3
16:30 – 18:00	Group 3	Group 4
18:00 – 19:30	Group 4	Group 5

Wednesday, 3. October 2012

MARITIME ARCHAEOLOGY FIELDWORK

Offshore location

Indicated start times are when the power boat shuttle leaves Podvrske pier

Indicated end times are when the power boat shuttle arrives back at Podvrske pier

Please reserve 15 min for strolling from the hotel to the Podvrske pier

8:45 – 10:15 Group 1

9:45 – 11:15 Group 2

10:45 – 12:15 Group 3

12:15 – 14:45 Lunch break

14:45 – 16:15 Group 4

15:45 – 17:15 Group 5

16:45 – 18:15 Group 6

TUTORIALS

Hotel Colentum

T1: Optical Measurement of Underwater Objects

David Scaradozzi, Polytechnic university of Marche, Italy

Pierre Drap, National Center for Scientific Research (CNRS), France

T2: Using R Language to Analyze Videographic Data on Benthic Biological Community Coverage

Stewart Schultz, University of Zadar, Croatia

T3: Underwater Image Mosaicing

Armagan Elibol, Yildiz Technical University, Turkey

T4: TargAn

George Papatheodorou, University of Patras, Greece

	T1 Session 2	T2 Session 2	T3 Sesion 1	T4 Session 1
9:00 – 10:30	Group 3	Group 4	Group 5	Group 6
10:30 – 12:00	Group 4	Group 5	Group 6	Group 1
12:00 – 13:30	Group 5	Group 6	Group 1	Group 2
13:30 – 15:00	Lunch break			
15:00 – 16:30	Group 6	Group 1	Group 2	Group 3
16:30 – 18:00	Group 1	Group 2	Group 3	Group 4
18:00 – 19:30	Group 2	Group 3	Group 4	Group 5

Thursday, 4. October 2012

9:00 – 13:30 MARITIME SECURITY DEMONSTRATION

Podvrske cove

TUTORIALS

Hotel Colentum

T1: Optical Measurement of Underwater Objects

David Scaradozzi, Polytechnic university of Marche, Italy

Pierre Drap, National Center for Scientific Research (CNRS), France

T2: Using R Language to Analyze Videographic Data on Benthic Biological Community Coverage

Stewart Schultz, University of Zadar, Croatia

T3: Underwater Image Mosaicing

Armagan Elibol, Yildiz Technical University, Turkey

T4: TargAn

George Papatheodorou, University of Patras, Greece

	T3 Session 2	T4 Session 2
9:00 – 10:30	Group 3	Group 4
10:30 – 12:00	Group 4	Group 5
12:00 – 13:30	Group 5	Group 6
13:30 – 15:00	Lunch break	
15:00 – 16:30	Group 6	Group 1
16:30 – 18:00	Group 1	Group 2
18:00 – 19:30	Group 2	Group 3

Friday, 5. October 2012

Hotel Colentum

MORNING SESSION 1 (Marine robotics and ICT)

8:30 – 9:15 Seeing the Forest and the Trees: The Case for Intensive Regional Survey

Bridget Buxton, University of Rhode Island, USA

9:15 – 10:00 Hard and Soft Sciences: the Role of Engineering in Archaeology

Filipe Casto, Texas A&M University, USA

10:00 – 10:45 Geophysical Survey and Underwater Robotics for Archaeological Work on the Edge of the Continental Shelf, off Virginia, USA

Roderick Mather, University of Rhode Island, USA

10:45 – 11:15 Coffee break

MORNING SESSION 2 (Marine robotics and ICT)

11:15 – 12:00 Potential Automomy-related Research Topics at MBARI

Kanna Rajan, Monterey Bay Aquarium Research Institute, USA

12:00 – 12:45 Dynamic Positioning and Tracking Systems for Remotely Operated Vehicles

Asgeir Sørensen, Norwegian University of Science and Technology (NTNU), Norway

12:45 – 13:30 From Manned Systems to AUVs, Gliders and a New HROV at Ifremer: Reliability VS Autonomy

Vincent Rigaud, Ifremer, France

13:30 – 15:00 Lunch break

AFTERNOON SESSION (Marine biology)

15:00 – 15:45 Talk title TBA

Euan Harvey, University of Western Australia, Australia

15:45 – 16:30 High-resolution Benthic Survey Using Autonomous Underwater Vehicles

Stefan Williams, University of Sydney, Australia

16:30 – 17:00 Coffee break

17:00 – 17:45 Talk title TBA

Tomas Lündalv, University of Gothenburg, Sweden

Saturday, 6. October 2012

Hotel Colentum

MORNING SESSION 1 (General robotics and ICT)

8:30 – 9:15 Time-Critical Cooperative Path Following of Multiple UAVs over Time-Varying Networks

Isaac Kaminer, Naval Postgraduate School, USA

9:15 – 10:00 The EU MORPH Project: Building a Supra Vehicle Out of Single Nodes for Demanding Marine Scientific Tasks. Challenges in Control and Navigation

Thomas Glotzbach, Technical University of Ilmenau, Germany

10:00 – 10:45 Persistent Autonomy - AI or Biomimesis?

David Lane, Heriot-Watt University, Scotland, UK

10:45 – 11:15 Coffee break

MORNING SESSION 2 (Maritime security)

11:15 – 12:00 Talk title TBA

Mae Seto, Dalhousie University, Canada

12:00 – 12:45 Talk title TBA

Aamir Qaiyumi, Naval Surface Warfare Center, USA

12:45 – 13:30 Talk title TBA

Gregory Dudek, McGill University, Canada

13:30 – 15:00 Lunch break

15:00 – 15:45 CLOSING SESSION

With Discussion pannel

Pannelists:

Zoran Vukic, University of Zagreb, Croatia

Nikola Miskovic, University of Zagreb, Croatia

Irena Radic Rossi, University of Zadar, Croatia

Petra Rodic, State Institute of Nature Protection, Croatia

Tatjana Bakran Petricioli, University of Zagreb, Croatia

Claudia Kruschel, University of Zadar, Croatia

Signe Anne Redfield, Office of Naval Research – Global, UK