

2017 ^{1st - 8th October} BREAKING THE SURFACE BIOGRAD NA MORU, CROATIA

9th INTERNATIONAL INTERDISCIPLINARY FIELD WORKSHOP OF MARINE ROBOTICS AND APPLICATIONS



WHAT IS BTS?

BtS is a summer workshop that encourages interaction and the exchange of knowledge and experience about the maritime robotics field and its applications



WHY ATTEND?

In 7 days, you will get first-hand knowledge about the latest in scientific research and results, technological achievements as well as hands-on experience in working with complex and modern underwater systems



WHAT'S NEW?

"Innovation day" - a whole-day workshop where you will learn how to commercialize robotics-related technologies

CONFIRMED PROGRAM SO FAR:

LECTURES

Held by world-class experts, focusing on recent interesting robotic, control, signal processing or ocean sciences (biology, archaeology, security, geology, etc) results, dove-tailing with one of the program tracks.

MAROB

- Gianluca Antonelli, ISME - University of Cassino, IT
- Terry Fong, Intelligent Robotics Group, NASA Ames Research Center, USA
- Jeremi Gancet, Space Applications Services, BE
- Oussama Kathib, Stanford University, USA
- William Kirkwood, Monterey Bay Aquarium Research Institute, USA
- Kimon P. Valavanis, University of Denver, USA

MARBIO

- Renee E. Bishop, Pennsylvania State University, USA
- Draško Holcer, Croatian Natural History Museum / Blue World Institute of Marine Research and Conservation, HR
- Craig Smith, University of Hawaii at Manoa, USA

MARCH

- Andreas Kallmeyer Bloch, The Viking Ship Museum in Roskilde, DK
- Augusto Salgado, CINAV - Centro de Investigação Naval, PT
- A. Harun Özdaş, Dokuz Eylül University Institute of Marine Science and Technology, TR

MARSEC

- Niv David, Tel-Aviv University, IL
- Samantha Dugelay, NATO STO Centre for Maritime Research and Experimentation (CMRE), IT
- John Potter, NATO STO Centre for Maritime Research and Experimentation (CMRE), IT

MARGEO

- Javier Escartin, Institut de Physique du Globe de Paris, FR
- Slobodan Miko, Croatian Geological Survey, HR

INNOVA

- Alexander Alspach, Disney Research, USA
- Florian Enner, HEBI Robotics, USA
- Vladimir de Franceschi, Founder Institute, Inc., USA
- Rafael Garcia, Coronis, ES
- Gerardo Morales-Hierro, Triple Helix, ES
- Lorenzo Sabattini, University of Modena and Reggio Emilia, IT

BTS2016 IN NUMBERS



220
ATTENDEES



7
DAYS



5
PROGRAMME
TRACKS



30
LECTURES



10
VEHICLES

PROGRAM TRACKS:



maritime
robotics
MAROB



marine biology
and marine
nature
protection
MARBIO



maritime,
nautical and
ship
archaeology
MARCH



maritime
security, naval
and coast guard
operations
MARSEC



marine
geology
MARGEO

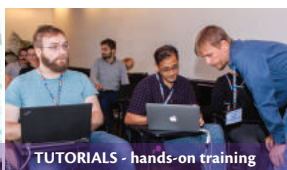


innovation
day
INNOVA

THE PROGRAM CONSISTS OF:



LECTURES



TUTORIALS - hands-on training



DEMONSTRATIONS



COMPANY PRESENTATIONS



NETWORKING & SOCIAL GATHERINGS



FIELD TRIP

CONFIRMED PROGRAM SO FAR:

TUTORIALS

Hands-on tutorial sessions concentrating on the use of tools and applications for robotic ocean science mission preparation, post-processing and statistical analysis.

This year, the following project partners will hold tutorials:

- H2020 project DexROV:
 - Space Applications Services, BE
 - Integrated Systems for the Marine Environment – ISME, IT
 - Idiap Research Institute, CH
- H2020 project EXCELLABUST:
 - National Research Council – CNR, IT
 - University of Girona – UdG, ES

DEMONSTRATIONS

Demonstration of equipment by research teams or industrial partners who exhibit and present their products.

Partial list:

- H2020 project aPAD
- Interreg Mediterranean project BLUEMED
- H2020 project DexROV
- H2020 project EXCELLABUST
- H2020 project subCULTron
- University of Zagreb Faculty of Electrical Engineering and Computing – UNIZG FER, Laboratory for Underwater Systems and Technologies – LABUST, HR
- Compagnie Maritime D'Expertise – COMEX, FR
- Graal Tech, IT

COMPANIES PROGRAMME

- Blueprint Subsea, UK
- Blueye Robotics, NO
- EvoLogics, DE

REGISTERING AND PARTICIPATING

Register through BtS official web-page <http://bts.fer.hr>. The registration and accommodation fees are combined.

The Registration package includes:

- **accreditation** which allows participation in all technical and social programs
- **accommodation** with three meals per day in single rooms (for Standard registrations) or shared double rooms (for Student registrations) in a 4* hotel for 7 nights (from 1st until 8th October)

REGISTRATION FEES

Type of Registration	Early-bird (by 2 nd July)	Regular (by 3 rd September)
STUDENT	€500	€600
STANDARD	€600	€750
ACCOMPANYING PERSON	€250	€250

CORPORATE PARTICIPATION PROGRAM FOR COMMERCIAL ENTITIES

The Corporate Participation Program includes:

- **2 full Standard Registrations** that consists of **accreditations** (which allows you participation in all technical and social programs) and **accommodation** (with three meals per day in single rooms in a 4* hotel for 7 nights, from 1st until 8th October)
- a **30 min time-slot for the presentation** of the product gamut
- logistical / infrastructural local support and organization collaboration for an expo / hands-on demonstration activity at the prescribed site

REGISTRATION FEES

Type of Registration	Early-bird (by 2 nd July)	Regular (by 3 rd September)
CORPORATE	€3000	€3500

For past commercial participants' experience, you can contact Evologics (Germany), Kongsberg-Hydroid (USA/Norway), VideoRay LLC (USA), OceanServer Technologies Inc. (USA), OcanScan Ltd. (Portugal), Maritime Robotics (Norway).

POINT OF CONTACT

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Organized by University of Zagreb
Faculty of Electrical Engineering and Computing
Laboratory for Underwater Systems and Technologies
Centre for Underwater Systems and Technologies

In partnership with
Institute of Studies on Intelligent Systems for Automation - ISSIA,
National Research Council of Italy (CNR)
University of Girona (UdG)
University of Limerick (UL)



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