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| 8:30 | Registration open - Good morning coffee!!! |
| 9:00 | WELCOME Pere Ridao / Marc Carreras / Quim Salvi, University of Girona |
| 9:15 | KEYNOTE SPEAKER 1 - IFREMER Developed Hybrid ROV/AUV Ariane Lorenzo Brignone, IFREMER |
| 10:00 | DexROV: dexterous ROV interventions operated from an onshore control center Jeremi Gancet, Space Applications Services NV/SA |
| 10:20 | SWARMS: Smart and Networking UnderWater Robots in Cooperation Meshes José-Fernán Martínez, Universidad Politécnica de Madrid |
| 10:40 | COFFEE BREAK |
| 11:10 | BRIDGES: Bringing together Research and Industry for the Development of Glider Environmental Services Laurent Mortier, ENTSA Paris Tech |
| 11:30 | TBD |
| 11:50 | SOCIB-GF: Introducing SOCIB's Glider Facility and its Open-Access Program Marc Torner, SOCIB Glider Engineer |
| 12:10 | ROBUST: Robotic subsea exploration technologies Amina Salman, The Welding Institute Ltd |
| 12:30 | MARIS: Marine Autonomous Robotics for InterventionS Pino Casalino / Enrico Simetti, University of Genova (ISME) |
| 12:50 | LUNCH BREAK |
| 14:00 | The MEDUSA Deep Sea and FUSION AUVs - when research and business get together Antonio Pascoal, Instituto Superior Técnico (Lisbon) |
| 14:20 | SUNRISE: Building the Internet of Underwater Things Chiara Petrolí, University of La Sapienza (Rome) |
| 14:40 | TECNOAMBIENTE: SME marine survey industry challenges Héctor Martínez, TECNOAMBIENTE |
| 15:00 | subCULTron - A swarm of robots in the lagoon of Venice Ronald Theniu, Uni Graz |
| 15:20 | COFFEE BREAK |
| 15:40 | CADDY: Cognitive Autonomous Diving Buddy Nikola Miskovic, University of Zagreb - FER |
| 16:00 | The SeaCat Hybrid AUV: from toy to product Jörg Kawla, ATLAS ELEKTRONIK GMBH |
| 16:20 | VAMOS: Viable Alternative Mine Operating System Eduardo Silva, ISEP / INESC TEC |
| 16:40 | European Robotics League Emergency: a multi-domain outdoor robotics challenge Gabriele Ferri, CMRE |
| 17:00 | VISIT TO CIRS LAB Marc Carreras / David Ribas, University of Girona |
| 17:30 | END OF DAY ONE |
| 18:30 | Guided tour around the city of Girona (departure from Hotel Carlemany) |
| 20:00 | EMRA INFORMAL DINNER (to be booked in your registration form - price: 53€/p.p) |



9:00 **GOOD MORNING COFFEE**

9:15 **KEYNOTE SPEAKER 2 - Underwater Robotics - current commercial capabilities and future requirements**
Scott Reed, Seebyte Ltd

10:00 **The WiMUST H2020 project: Widely scalable Mobile Underwater Sonar Technology**
Giovanni Indiveri, University of Salento (ISME)

10:20 **MERBOTS: Multifunctional coopERative marine roBOTs for Intervention Domains**
Pedro J Sanz, University Jaume I

10:40 **COFFEE BREAK**

11:20 **MORPH: MARINE ROBOTIC SYSTEMS OF SELF-ORGANIZING, LOGICALLY LINKED PHYSICAL NODES**
Antonio Pascoal, Instituto Superior Técnico (Lisbon)

11:40 **OceanRINGS: Current State of Development and Future Work**
Edin Omerdic, University of Limerick

12:00 **e-URready4OS: Underwater Robotics Ready for Oil Spill**
Javier Gilabert, Universidad Politecnica de Cartagena

12:20 **ROBOCADEMY: the Future generation of Maritime and Underwater Robotics Research**
Thomas Vögele / Tom Runge, DFKI

12:40 **OPEN DISCUSSION - future directions and opportunities in marine robotics**
Moderated by: Pere Ridao, University of Girona

13:15 **LUNCH**

14:30 **END OF DAY TWO**