

MARINE AUTONOMY & TECHNOLOGY SHOWCASE



National
Oceanography Centre
NATURAL ENVIRONMENT RESEARCH COUNCIL

conference.noc.ac.uk/matshowcase

Tuesday 13 November 2018

- 10.00 **Registration and refreshments**
- 11.00 Daily Host Mr Aidan Thorn NOC **Aidan Thorn NOC**
- 11.10 Prof Ed Hill OBE Executive Director NOC
- 11.30 **Major General Robert Magowan CB, CBE Royal Navy** **Keynote Address**
- 12.00 Current Technology - **Maaten Furlong NOC**
- 12.15 **SOLSTICE** Addressing food security in the developing countries: marine robotics as an integral part of a complex multidisciplinary project **Dr Katya Popova NOC**
- 12.30 Dstl's Marine Autonomous Systems Research Programmes. **Adrian Baker DSTL**
- 12.45 **Lunch**
- 1.50 Ecology by marine autonomy: recent experience in research and monitoring via seafloor mapping **Dr Brian Betts NOC**
- 2.10 Minesweeping as part of a mixed mine countermeasures capability **Sarah Brown Atlas Elektronik**
- 2.30 Application of Deep Learning-based technologies to support the subsea inspection process of offshore facilities **Antonio Felipe Silva EIVA**
- 2.50 SeaSmart: A new approach for rapid, on-site resource assessment at potential tidal stream energy array sites using MAS **Dr Jonathan Evans MarynSol Ltd**
- 3.10 **MAS Essentials**
- 3.30 Dynamic docking between autonomous underwater robots **Auguste Bourgois Forssea Robotics**
- 3.50 Using Smart Hydrophone Technology to Prevent AUV Collision or Entanglement **Mark Wood Ocean Sonics**
- 4.10 **Refreshments**
- 4.40 Development and Field Trials of Two Autonomous Telemetry Systems for Transferring Data from the RAPID 26°N Array **Dr Eleanor Frajka-Williams NOC**
- 5.00 Developing AutoNaut USV for operations in Arctic/Antarctic environments **Prof Karen Heywood University of East Anglia**
- 5.20 Delivering 4cm Data Resolution and 200m swath capability on a Two-Man-Portable Unmanned Underwater Vehicle **Gordon Clark General Dynamics**
- 5.40 Applied computer vision in real-time subsea survey **Joe Tidball ROVCO**
- 6.00 Summary Maaten Furlong & Aidan Thorn
- 6.10 **Icebreaker Reception and NEXUSS Poster Session**
MACHallenge 2019 Competition Launch
Mayflower 400 an Overview of the activities to be hosted in Southampton in 2020 **Dan Hook Jim Zalles**



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Notes / Questions

