

MONDAY 27TH OCT

WORKSHOPS, STAND SET UP AND ICEBREAKER EVENT

REGISTRATION OPEN ALL DAY

09:00 - 15:30 WORKSHOPS
TITANIC HOTEL, WEST BAY

14:30 - 15:00: Let Hydrography Go Unmanned, CHCNavigation
SPACES AVAILABLE TO BOOK

13:00 - 17:30 EXHIBITION SET UP
TITANIC HOTEL, RUM WAREHOUSE

18:30 - 20:00 ICE BREAKER NETWORKING EVENT
TITANIC HOTEL, WEST BAY
SPONSORED BY ESRI



WATER DEMOS ARE THROUGHOUT THE 3 DAYS



KONGSBERG



TELEDYNE MARINE
Everywhereyoulook™



DAY 1 - TUESDAY 28TH OCT

INNOVATION IN HYDROGRAPHIC EFFICIENCY, AUTOMATION & COASTAL INTELLIGENCE

REGISTRATION OPENS 08:30

09:00 - 10:15
CONFERENCE PLENARY

Conference Opening & Welcome from IFHS & THS:UKI, **David Vincentelli, Mark Poole & Becky Conway**

The Golden Age in Shipwreck Discovery and Exploration, **David L. Mearns OBE, OAM, Blue Water Recoveries Ltd**

Advances in Tidal Prediction for Offshore & Coastal Survey Work, **Layton Quinton, National Oceanography Centre**

10:15 - 10:45 REFRESHMENT BREAK SPONSORED BY CHC NAVIGATION



DAY 1 - TUESDAY 28TH OCT

INNOVATION IN HYDROGRAPHIC EFFICIENCY, AUTOMATION & COASTAL INTELLIGENCE

10:45 - 12:15

SESSION 1 | SATELLITE & SIMULATION FOR SURVEY EFFICIENCY

CHAIRIED BY MARK POOLE

Enhancing Maritime Positioning Resilience with LEO-Based PPP Delivery, **Simon Canning, DDK Positioning**

Blue Mirror: Reflecting Our Coasts Through Digital Twins, **Dr. Kim Knauer, EOMAP**

A Test Environment for Simulation-Based Testing of MASS-Functions in Traffic Separation Schemes, **Nina Wetzig, German Aerospace Centre (DLR)**

Portuguese Shallow Seabed Monitoring Through Satellite Derived Bathymetry, **Ruben Santos, Instituto Hidrográfico**

PANEL

12:15 - 13:45 LUNCH BREAK SPONSORED BY NORBIT

13:45 - 15:15

SESSION 2 | AUTOMATION & ASSURANCE IN HYDROGRAPHIC DATA

CHAIRIED BY CASSANDRA NANLAL

Bathymetry Processing - Moving the Needle to Full Automation, **Harold Orlinsky, Chesapeake Technology**

AI in Hydrography: Automate What You Can, Validate What You Must, **Andrijana Horvat, Hidrocibalae**

Reviewing Quality Assurance (QA) at Hydrographic Surveys, **Carlos Rubrio, Instituto Hidrográfico**

Efficient Extraction of Reference Seabed Level from High-Resolution Bathymetric Data Using Percentile Filtering & Parallel Processing, **Efemena Clinton Annie, Next Geosolutions**

Shom-UKHO Partnership for AI-Driven MBES Bathymetric Processing Evaluation, **Coraline Delblond, Shom**

Q&A

15:15 - 15:45 REFRESHMENT BREAK

15:45 - 17:15

SESSION 3 | MODERN SURVEY TOOLS FOR COASTAL PORT MANAGEMENT

CHAIRIED BY DAVID PARKER

Real-Time Insights: Rapid Situational Awareness & Essential Resource Management for Ports & Harbours, **Tom Broomfield, NORBIT**

Evaluating the Applicability & Efficiency of Two MBES Systems for Port Engineering Purposes, **Cassandra Nanlal, UCL**

Unfolding Vertical Structures: Enhancing Port Survey Workflows with 3D Coordinate Transformations, **Travis Hamilton, Teledyne CARIS**

Two Decades of Topo-Bathymetric LiDAR for the French Coastal Mapping Programme, **Julien Smeekaert, Shom**

PANEL

17:15 - 19:30

EXHIBITION EVENING EXTENSION WITH CASH BAR AVAILABLE

TITANIC HOTEL, RUM WAREHOUSE

DAY 2 - WEDNESDAY 29TH OCT

EXPANDING CAPABILITY THROUGH DATA, PARTNERSHIP & RESEARCH

REGISTRATION OPENS 08:30

09:00 - 10:30

SESSION 4 | INNOVATIVE TOOLS FOR SURVEY OPERATIONS

CHAired BY CHRIS ALMOND

The Benefits of Integrating 3D Chirp Data & Magnetic Data for Detecting Buried Unexploded Ordnance, **Abby Martin, Kraken Robotics**

The Use of Innovative Technologies in Offshore Cables - The Pitfalls & Positives, **Phil Payne, National Grid**

A New Era of Efficient Survey Operations: Enabling MASS, ROV & AUV Integration in Nigeria, **Olajide Fagbewesa, Shell**

Precise Array Network Positioning for High-Resolution 3D Seismic Surveys, **Craig Dyer, RWE**

PANEL

10:30 - 11:00 REFRESHMENT BREAK SPONSORED BY SURVEY EQUIPMENT SERVICES

11:00 - 12:30

SESSION 5 | NEXT-GEN PROCESSING FOR HYDROGRAPHIC INTELLIGENCE

CHAired BY TRISH BUXTON

Massively Scalable, Cloud-Native Hydrographic Data Processing - From Sensor Data to High-Resolution Deliverables, **Jann Wendt, north.io**

Navigating the Future: Transforming Nautical Chart Production with "ENC First" Initiative, **Ross Havery, Port of London Authority (PLA) & Rafael Ponce, ESRI**

New Waters for LiDAR Bathymetry: Experience from Use Cases Related to Underwater Object Recognition, **Ursula Riegl, RIEGL Laser Measurement Systems GmbH**

Navigating the Hydrosatial Evolution: Transforming Dredging Operations in the Digital Era, **Cristhian Bermudez, HYPACK**

Evaluating the YellowScan Navigator Topo-Bathymetric Lidar against IHO S44 Standards, **Coralie Monpert, Shom**

Q&A

12:30 - 14:00 LUNCH BREAK SPONSORED BY TELEDYNE CARIS

14:00 - 15:30

SESSION 6 | EMERGING RESEARCH - QUICK FIRE PRESENTATIONS

CHAired BY ALAIN DE WULF

THS:UKI Alan Ingham Award Winner - Establishing an Accurate Mean Sea Level Model in the Dutch Caribbean Using Vessel-Based PPP-GNSS Measurement, **Merte Peeters**

IFHS Student Award Winner - Analysis of Uncertainties for Error Detection and Quantification of Bathymetry Data from Multispectral Sentinel-2 Imagery, **Isabella Metz**

DAY 2 - WEDNESDAY 29TH OCT

EXPANDING CAPABILITY THROUGH DATA, PARTNERSHIP & RESEARCH

14:00 - 15:30

SESSION 6 | EMERGING RESEARCH - QUICK FIRE PRESENTATIONS - CONT.

Automatic Detection & Multiclass Segmentation of Underwater Pipelines using Computational Models, **Sethmiya Herath Mudiyanse**

Seafloor Hydrothermal Vents Discovered within Pit Craters of Quest Caldera, South Sandwich Islands, **Tea Isler**

From Vespucci, Columbus & Magellan to the Modern Offshore Survey, **Alessio Vespucci**

A Comparison of Sonar & LiDAR Data with a Focus on Aquatic Vegetation, **Jan Rhomberg-Kauert**

Leveraging Robotic Total Stations for Highly Accurate Multibeam Bathymetry in Inland Waters, **Lucas Dammert**

Q&A

15:30 - 16:00 REFRESHMENT BREAK

16:00 - 17:30

SESSION 7 | SEABED MAPPING FOR ECOSYSTEMS, NATIONAL & GLOBAL INSIGHT

CHAIRD BY JOHN DILLON-LEETCH

Mapping Australia's Marine Estate: Progress & Vision of the AusSeabed Initiative, **Mary Young, AusSeabed Steering Committee**

Mapping Northern Ireland's Coastal Zone with Airborne Lidar, **Charles de Jongh, Field Geo**
Seagrass Mapping Along the Italian Coast for Marine Ecosystem Restoration, **Tanja Dufek & Nick Rackebrandt, Fugro**

Building Hydrographic Capability in Developing Countries: Challenges & Initiatives, **Piers Wilson, UKHO**

PANEL

AFTER THE CONCLUSION OF THE CONFERENCE ON DAY 2, THE
GALA DINNER WILL BE HELD AT THE CROWNE PLAZA
WELCOME DRINKS FROM 18:30

KINDLY SPONSORED BY TELEDYNE



DAY 3 - THURSDAY 30TH OCT

AUTONOMOUS SYSTEMS, OPERATIONAL EXCELLENCE & FUTURE OCEANS

REGISTRATION OPENS 08:30

09:00 - 10:30

SESSION 8 | ADVANCED SURVEY OPERATIONS WITH INTEGRATED SENSOR TECHNOLOGIES

CHAired BY SHELLY LEIGHTON

Mapping Buried Critical Underwater Infrastructure with 3D Acoustics, **Chris Almond, Kraken Robotics**

High-Resolution Inspection of Large Hydraulic Structures using a Multi-Phase Echosounder, **Richard Hill, Edgetech**

Low Frequency SAS Imaging & Bathymetry with Correlative Multibeam Soundings for Seafloor & Sub-Seabed Mapping, **Kevin Rychert, Sulmara**

How to Make Survey Planning Efficient Online (Fast), **Dr. Knut Hartmann, EOMAP**

Q&A

10:30 - 11:00 REFRESHMENT BREAK SPONSORED BY TELSTRA TECHNOLOGIES

11:00 - 12:30

SESSION 9 | SMART HYDROGRAPHIC SYSTEMS FOR RESILIENCE

CHAired BY GORDON JOHNSTON

Royal Navy's Autonomous Systems for Data Collection, **Commander Mark Butcher, Navy Develop, Royal Navy, UK**

Adaptive Sonar Technologies for Surveillance & Protection of Critical Maritime Infrastructure, **Becky Conway, NORBIT**

Lightweight Model Design for Automatic Bare Earth Point Detection in 3D Bathymetric LiDAR Point Clouds, **Dr. Xavier Pellerin Le Bas, Scienteama**

Fugro Satellite Positioning Jamming & Spoofing Mitigation, **Hans Visser, Fugro**

Project UAWOS: Where Hydrography Meets Hydrology in the Sky, **Dr. Tom Hiller, Thurn Group**

Q&A

12:30 - 14:00 LUNCH BREAK SPONSORED BY EDGETECH

14:00 - 15:15

SESSION 10 | AUTONOMOUS SYSTEMS SHAPING THE FUTURE OF SURVEY

CHAired BY MIKE REDMAYNE

Hydrography, USVs & Regulations, **James Williams, Uncrewed Survey Solutions (USS)**

Charting the Great Barrier Reef: The First USV Only Bathymetric Survey for the AHO's HydroScheme Industry Partnership Programme (HIPP), **Martin Tunwell, XOCEAN**

Smart autonomous magnetic seafloor survey strategies for UXO detection, **Toni Dieckhoff, GEOMAR**

The Evolution of Uncrewed Subsea Pipeline Inspection: DeepOcean & USV Challenger, **AI Rumson, DeepOcean Group**

Q&A

DAY 3 - THURSDAY 30TH OCT

AUTONOMOUS SYSTEMS, OPERATIONAL EXCELLENCE & FUTURE OCEANS

15:15 - 15:45 REFRESHMENT BREAK

15:45 - 17:00

SESSION 11 | FUTURE OCEANS - INTEGRATION, SKILLS & AUTONOMY

CHAIRD BY MIKE KING

The UK Centre for Seabed Mapping - Working Towards a More Integrated Marine Geospatial Sector in the UK, **Robert Clarke, UKHO**

Bridging Competency & Industry: The Relevance of S-5B Learning Outcomes to Offshore Surveying, **Shelly Leighton, IIC Technologies**

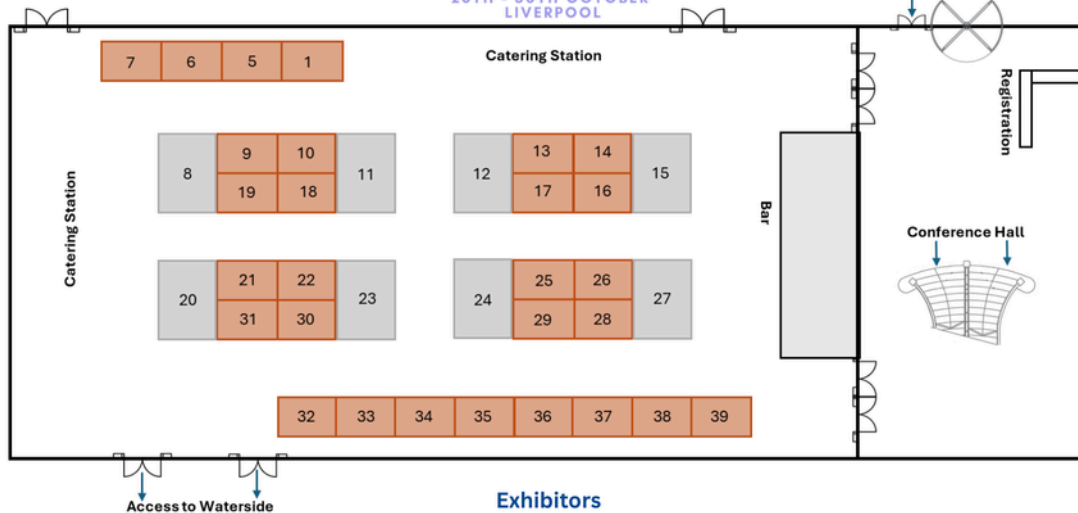
Maritime Autonomy Challenge - Inspiring the Next Generation of Marine Autonomy Innovators, **Emma Johnson, Society of Maritime Industries (SMI)**

PANEL

Thanks & Conference Close from **THS:UKI**

HANDOVER TO HYDRO 2026

Principal Event Sponsors



Exhibitors

AML Oceanographic (14)	Fugro GB Ltd (27)	Navigation Solutions Europe (31)	Stema Systems (32)
CHC Navigation (36)	Geo Acoustics (12)	Njord Survey (38)	Teledyne CARIS (13)
Compass survey Ltd (6)	HIDROCIBALAE D.O.O. (29)	NORBIT (20)	Teledyne Marine (15)
Deep B.V. (23)	Hypack - Xylem (37)	North.io (16)	THS:UKI & IFHS (9/10)
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EEL (5)	Kongsberg Discovery AS (8)	R3 VOX (28)	UK Centre for Seabed Mapping (33)
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