

# HYDROSPATIAL 2024: AT THE EDGE!

## DRAFT PROGRAM

### TUESDAY 9 APRIL

8:00 - 14:00	Exhibitor Booth build by contractor	Hotel Grand Chancellor Hobart
14:00 - 17:30	Exhibitors bump in	Hotel Grand Chancellor Hobart
14:00 - 17:30	<b>Registration Opens</b>	Hotel Grand Chancellor Hobart
16:30 - 17:45	RSV Nuyina Vessel Tours by booking only	
18:00 - 20:00	Welcome Cocktail Reception	Hobart Function and Conference Centre

### WEDNESDAY 10 APRIL

8:00 - 17:00	Trade Exhibition Opens	Hotel Grand Chancellor Hobart
8:00 - 17:00	<b>Registration Opens</b>	Hotel Grand Chancellor Hobart
8:45 - 8:55	Welcome Address & House Keeping	
8:55 - 9:10	Welcome to Country	
9:10 - 9:40	<b>Keynote:</b> <b>Chris Waterson</b> Hydrography - Living on the Edge	
9:40 - 10:00	<b>Richard Cullen</b> HIPP Update Hydrospatial	
<b>10:00 - 10:10</b>	<b>Special Presentation - AHSCP</b>	
10:10 - 10:30	<b>Nigel Townsend, David Ives</b> HIPP CR Activity - 'At The Edge' Of The HIPP Roll Out	
10:30 - 10:50	<b>Chris Kennedy</b> Indigenous Participation within the maritime sector: Can industry rise to the challenge	
10:50 - 11:20	Morning tea	Exhibition Area
11:20 - 11:40	<b>Dave Donohue</b> On the Edge - of Greatness	
11:40 - 12:00	<b>Nelson Kuna</b> Mapping the Remote Australian Marine Jurisdiction	
12:00 - 12:20	<b>Mark Milnes</b> Advancements in Antarctic Hydrography: The Capabilities of RSV Nuyina	
12:20 - 13:20	Lunch	Exhibition Area
13:20 - 13:50	<b>Keynote:</b> <b>Denis Hains, John Maschke, Shereen Sharma</b> Citizen HYDROSPATIAL Sciences	

13:50 - 14:05	<b>Virtual Presentation:</b> <b>Andrew Armstrong, Gordon Johnston, Rod Nairn, Nickolas Roscher</b> Keeping it real - updating the FIG/IHO/ICA S5A and S5B Standards of Competence for Hydrographic Surveyors	
14:05 - 14:25	<b>Ahmed Said</b> Reshaping the Hydrographer Competency	
14:25 - 14:45	<b>Derek Sowers, Daniel Wagner</b> Community- based ocean exploration at the technological edge: 2024-2026 E/v Nautilus expeditions in the west Pacific	
14:45 - 15:15	Afternoon Tea	Exhibition Area
15:15 - 15:35	<b>Jade Germein</b> Category A Hydrography Training at the Australian Maritime College (AMC)	
15:35 - 15:55	<b>Geoff Lawes</b> FIG Commission 4 workplan	
15:55 - 16:15	<b>AHS Education Award Recipient Presentation:</b> <b>Katie Hughes</b> The role of multibeam sonar in reconstructing lake tsunami sources in New Zealand's South Island	
16:15	Closing Remarks	
16:30 - 17:45	RSV Nuyina Vessel Tours by booking only	
17:45 - 19:00	RSV Nuyina Vessel Tours by booking only	
18:30 - 21:30	VIP Dinner (by invitation only)	Mures Upper Deck

## THURSDAY 11 APRIL

8:00 - 17:00	Trade Exhibition & Registration Opens	Hotel Grand Chancellor Hobart
8:45 - 8:50	Daily Welcome & House Keeping	
8:50 - 9:20	<b>Keynote by Ocean Infinity (platinum sponsor):</b> <b>David Field</b> Transforming operations at sea	
9:20 - 9:40	<b>Paul Kennedy, Steve Duffield</b> Guardian Geomatics and the DRIX Experience	
9:40 - 10:00	<b>Charles Collins, Kam Austine</b> Design and Development of a Purpose-Built 12m Unmanned Surface Vehicle (USV) for Hydrographic Surveys in Australia	
10:00 - 10:20	<b>Brian D. Connon</b> Benefits of Long Endurance USVs for Ocean Mapping and Exploration	
10:20 - 10:50	Morning tea	Exhibition Area
10:50 - 11:10	<b>Martin Tunwell</b> Dual DriX Operations for Nautical Charting	

11:10 - 11:30	<b>Chris White</b> Autonomous Maritime Systems - (AMC)	
11:30 - 11:50	<b>Douglas Bergersen, Jens Lowag</b> Resolution and Penetration Comparisons between Subbottom Profiler Sources	
11:50 - 12:10	<b>Magnus Wettle, Javier Leon</b> Combining technologies and disciplines into operational systems for monitoring and managing coastal resilience	
12:10 - 13:10	Lunch	Exhibition Area
13:10 - 13:30	<b>Manu Ignatius</b> Smart Wireless Solutions for Hydrographic Monitoring Powered by Edge Computing	
13:30 - 13:50	<b>Henry Johnson</b> Recent developments - Tools for discovering the secrets of the ocean	
13:50 - 14:10	<b>Harry Hughes</b> Combined Oceanography and autonomous navigation: the transition from static data collection to effective use of mobile platforms	
14:10 - 14:40	Afternoon Tea	Exhibition Area
14:40 - 15:00	<b>Nathan Green</b> Supporting Dredging Campaigns with Real-Time Grid Models	
15:00 - 15:20	<b>Matt Boyd, Christopher Yule, Philippe Vandebossche, Amy Nau</b> Integration of Multibeam Bathymetry, Sub-Bottom Profiler and Water Column Acoustics in Support of Australian Marine Science	
15:20 - 15:40	<b>David Crossman</b> On The Edge - The Imminent Arrival of S-100	
15:40 - 16:00	<b>Chris Berry</b> Discovery in the Depths: Deep ocean sampling	
16:00	Closing Remarks	
16:30 - 17:45	RSV Nuyina Vessel Tours by booking only	
17:45 - 19:00	RSV Nuyina Vessel Tours by booking only	

## FRIDAY 12 APRIL

8:00 - 17:00	Trade Exhibition & Registration Opens	Hotel Grand Chancellor Hobart
8:45 - 8:50	Daily Welcome & House Keeping	
8:50 - 9:20	<b>Keynote:</b> <b>Augustin Déplante, Philippe Vandebossche</b> Uncovering The Wreck of MV Blythe Star	
9:20 - 9:40	<b>Andy Waddington</b> Mapping seagrass to help preserve marine resources - a study	
9:40 - 10:00	<b>Pip Bricher</b> AusSeabed: Collaborating to optimise Australia's seabed mapping effort	
10:00 - 10:20	<b>Kevin Mackay, Belen Jimenez Baron</b> Seabed 2030 and the challenge to map the World's Oceans	

10:20 - 10:50	<b>Morning tea</b>	<b>Exhibition Area</b>
10:50 - 11:10	<b>Ulysse Lebrec, Victorien Paumard, Juliette Denudt, Catherine du Reau, Michael J. O'Leary, Simon C.Lang, Kim Picard, Sarah Spinocchia, Justy Siwabessy, Michele Spinocchia, Maggie Arnold, Chris Yule, Michal Wenderlich</b> Filling the gaps using historic geophysical data	
11:10 - 11:30	<b>Augustin Déplante, Philippe Vandenbossche, Stuart Edwards</b> Surveying for Science - CSIRO's Shallow Survey Facility	
11:30 - 11:50	<b>Francisco Navidad</b> CSIRO at the edge (Ship to Shore) - Multi-Resolution Publishing	
11:50 - 12:10	<b>Sean McCagh, Rod Tansley, Ted Anderberg</b> Experience in Inshore, Riverine and Dam Shallow Water Surveys Using Conventional Multibeam, Interferometric and Hybrid Swath Bathymetry Sonar Systems	
12:10 - 13:10	Lunch	<b>Exhibition Area</b>
13:10 - 13:30	<b>Kam Austine</b> Beyond the Horizon: A Cosmic Perspective on Earth's Tidal Dynamics and Innovative Ideas of Extraterrestrial Tide Gauges	
13:30 - 13:50	<b>Mick Hawkins</b> Machine Learning to aid in Bathymetric Lidar Data Processing	
13:50 - 14:10	<b>Daniel Kruimel, John Gerhard, Mark Smits</b> Bathymetric LiDAR supporting sustainable coastal development	
14:10 - 14:30	<b>Harold Orlinsky</b> Maritime history - Using 21st century technology to discover the past	
14:30 - 15:00	Afternoon Tea & End of Conference	<b>Exhibition Area</b>
15:00 - 16:30	Exhibitors bump out	
16:30	Contractor removes booths	
19:00 - 22:30	<b>Conference Dinner &amp; Conference Dinner Speaker: Dr George Cresswell</b> Life on the edge - of ice and sea	Ballrooms - Hotel Grand Chancellor Hobart