

HYDRO 2003 Conference Programme			
Date	Time	Item	Session
Sunday 23 November	12.00pm - 6.00pm	Exhibitors Pack In	
	2.00pm - 6.00pm	Early Bird Registration	
	5.00 - 6.00pm	Welcome Reception	
Monday 24 November	8.00 - 9.00am	Registration	
	9.00 - 9.15am	Opening Address - Paul Hornsby	Opening
	9.15 - 9.30am	Chairman - sponsor acknowledgement, objectives, house keeping - Maurice Perwick	
	9.30 - 10.15am	Key Note Address - Sir Tipene O'Regan, Ngai Tahu kaumata, company director and academic historian	
	10.15 - 10.30am	Trade Show Opening	
	10.30 - 11.00am	Coffee & Trade Show	
Session Chair - John Spittal, Chief Topographer/Hydrographer LINZ	11.00 - 11.30am	Realtime Tides Using Wide Area GPS Heights from Decimetre Level Accuracy Starfix:HP for Offshore Charting Purposes - Cass Castalanelli, Furgo Survey	Offshore development
	11.30 - 12.00pm	The New Zealand Continental Shelf Project: Hydrographic Aspects of the Survey Programme and Data Analysis - Ian Wright, NIWA	
	12.00 - 12.30pm	The Continental Shelf as a Model Project - R Turner, LINZ	
	12.30 - 1.30pm	Lunch	
Session Chair - Allan Sutherland, Harbour Services Superintendent, Port Otago Limited	1.30 - 2.00pm	Marine Cable Laying in New Zealand - B Day, Seaworks	Shipping, ports, cabling
	2.00 - 2.30pm	Reef Traffic - M Glynn, HSA Systems	
	2.30 - 3.00pm	Hydrography in Challenging Environments – A Surveyors Perspective - G Cox, DML	
	3.00 - 3.30pm	Coffee & Trade Show	
	3.30 - 5.00pm	Trade Display / Field Visit	
	5.00 - 6.00pm	Ice Breaker Reception	
	6.30 - 9.30pm	Harbour Lights Gondola (take a look at www.gondola.co.nz)	
Tuesday 25 November	8.30 - 9.00am	Key Note Address - Captain Doug Monks (Master Mariner) Marine Accident Investigator, Transport Accident Investigation Commission	
Session Chair - Russell Turner, Project Leader Continental Shelf, LINZ	9.00 - 9.30am	From Paper to Digital Maritime Boundaries - B Wallen, LINZ	Oceans Policy, environment and Law of the Sea
	9.30 - 10.00am	Inshore Multi-Sensor Platforms : Combining the narrow focus of hydrography with the broader needs of coastal zone mapping - A Duxfield, OMG	
	10.00 - 10.30am	Airborne Laser Hydrographic Surveys for Coastal Zone Management – A Case Study in the Canary Islands - M Sinclair, LADS	
	10.30 - 11.00am	Coffee & Trade Show	
Session Chair - Mark Matthews, Sales and Marketing Manager, Atlas Hydrographic	11.00 - 11.30am	The Application of AUV Technology for High Accuracy High Resolution Seabed Mapping in Deep Water - G. Evans, C&C-EGS Subsea Geosciences	Survey Management, Multibeam, Data Visualisation
	11.30 - 12.00pm	Testing of multibeam performance relative to the IHO S-44 requirements for object detection - Kjersti Wold, Kongsberg Simrad	
	12.00 - 12.30pm	The Integrated Seafloor : Efficient Multi-sensor Processing and Visualization Techniques for Seafloor Mapping Data - M Paton, Interactive Visualization	
	12.30 - 1.30pm	Lunch	
Session Chair - Dave Mundy, Hydrographic Survey Advisor, LINZ	1.30 - 2.00pm	The Australian Hydrographic Service - evolving to maximise technological advances and meet strategic imperatives - Captain Bruce Kafer, Royal Australian Navy - Hydrographer of Australia	Policy, military
	2.00 - 2.30pm	Hydrographic Data Interoperability - J Spittal, LINZ	
	2.30 - 3.00pm	New Zealand Defence Force's Military Hydrographic Requirements - C Holmes, RNZN	
	3.00 - 3.30pm	Coffee & Trade Show	
Session Chair - Michael Farrell, Hydrographic Information Manager, LINZ	3.30 - 4.00pm	Paving on the Ice Highways – Charting Antarctic Waters for Safer Navigation - I Halls, HSA	Charting (Paper, ENC, Raster)
	4.00 - 4.30pm	Rapid Environmental Assessment - Operational Hydrography in the MilitaryContext- R Ward, RAN	
	4.30 - 5.00pm	Making Paper Charts Out of ENCs - A Pirozhnikov, HydroService AS	
	5.00 - 6.00pm	Aust. Hydro Soc AGM	
	6.30 - 10.30pm	Conference Dinner & Awards/Honours etc - Antarctic Centre	
Wednesday 26 November	8.30 - 9.00am	The Australasian Hydrographic Society role in Maritime Exploration - P Hornsby, AHS	Australasian Hydrographic Society
	9.00 - 9.30am	Category A Hydrographic Education Programme at the University of Otago-The first year - P Knight, Otago University	Education
Session Chair - Maurice Glynn, Senior Account Manager, Business Development, HSA Systems	9.30 - 10.00am	New Techniques in Relative RTK GPS Positioning between Dynamic Platforms - G Chisholm, Trimble	Navigation
	10.00 - 10.30am	Coffee & Trade Show	
	10.30 - 11.00am	GNSS and Hydrography - G Chisholm, Trimble	Navigation
	11.00 - 11.30am	Making Navigation Safer - ECDIS arrives in NZ - K Smith, HSA Systems	
	11.30 - 12.00pm	High Precision Positioning Services - A Kerr, Thales Geosolutions	
Session Chair - Martin Houlihan, Australasian Sales Manager Engineering and Construction, Trimble Navigation Australia Pty Ltd	12.00 - 12.30pm	Surveying the Southern Frontier of New Zealand - B Vine, Thales GeoSolutions	Innovation & Excellence in Surveying
	12.30 - 1.30pm	Lunch	
	1.30 - 2.00pm	Hydrographic Surveying in the Western Ross Sea, Antarctic - F Smits, NIWA	Innovation & Excellence in Surveying (Exhibitors Pack Out at 1.30pm)
	2.00 - 2.30pm	Local-Area Tide Models for Hydrographic Surveying - D Goring, NIWA	
	2.30 - 3.00pm	Achieving High Accuracy using Wide Swath Systems - D Stone, GeoAcoustics Ltd	
	3.00pm - 3.30pm	Tidal Current Measurement using Acoustic Doppler Current Profilers - R Vennell, Otago University	
	3.30 - 4.00pm	Closing Remarks - Chairman thanks exhibitors	
Thursday 27 November	9.00 - 3.30pm	LINZ Hydrographic Users Group Meeting (HUG)	
	4.00 - 5.00pm	NZ Hydrographic Society AGM - Canterbury Sweet	