

Pacific 2012 International Maritime Conference Program Tuesday 31 January 2012		
0900 - 1000	Official PACIFIC 2012 Opening Ceremony, Parkside Auditorium	
1000 - 1100	Session 1 - Our Future	
1000 - 1030	Keynote Address: Stephen Ludlam CEO and Managing Director, ASC Pty Ltd	
1030 - 1100	<i>Driving Efficiency into Maritime Defence Programs</i> RADM (Ret) R. Cheadle, Newton P/L, UK	
1100 - 1130	Morning Tea break	
1130 - 1330	Session 2 - Ship Safety	Session 3 - Protecting our Environment
1130 - 1200	<i>Naval Landing Craft Stability</i> P. Hayes, Dept of Defence	<i>Sovereign and Crown Immunity for Warships? - or acting in a manner consistent with IMO environmental Conventions</i> J. Mansell & M. Tsameyi, University of Wollongong
1200 - 1230	<i>Safety Assurance of Small Government Craft</i> T. Grafton, DNV, Norway	<i>Operational Advantages and Benefits of "Green" Submarines</i> E. Fusil, DCNS, France
1230 - 1300	<i>Ship Recoverability: how important is the human factor input</i> M. Grech, DSTO	<i>Particulate Emission Characteristics from Medium Speed Marine Diesel Engines</i> S. Ushakov, Norwegian University of Science and Technology
1300 - 1330	<i>SOLAS Compliant Navigation Systems on Naval Vessels</i> D. Bradley, BAE Systems Aust.	<i>Electrochlorination Technology for a Safe, Reliable and Economical Solution to Treat Ballast Water</i> V. Zoltarsky, Siemens Inc, USA
1330 - 1430	Lunch break	
1430 - 1630	Session 4 - Ship Safety	Session 5 - Amphibious Support Vessels
1430 - 1500	<i>Damage Control Tools and Technologies for Naval Platforms</i> G. Gamble, DSTO	<i>The Floating Harbour Transhipper - an Operationally Effective Solution for Military and Emergency Response Duties</i> S. Ballantyne, Sea Transport Corporation
1500 - 1530	<i>RAN Investigation into AFFF Hose Lines</i> I. Leaver, Dept of Defence	<i>HSV WestPac Express - Ten Years Service to the USMC</i> J. Black, Austal Ships Ltd.
1530 - 1600	<i>Implementation of ANEP 77, the NATO Naval Ship Code, into RAN Certification</i> R. Simpson, Lloyds Register UK	<i>Investigation into the Roll Behaviour of Landing Craft in Deep Water</i> J. Hill, DSTO
1600 - 1630	<i>Military Threat Analysis: Challenges for Class Societies</i> T. Grafton, DNV, Norway	<i>Landing Craft: Choosing the Right Tool for the Job</i> N. Johnson, BMT Defence Services, UK
1630 - 1800	Session 4B - Ship Safety	Session 5B - Sustainment and Obsolescence
1630 - 1700	<i>Development of an Improved Submarine Escape System</i> M. Ratcliffe, Babcock Pty Ltd	<i>Applying Commercial Technologies to Address Electronic Obsolescence</i> N. Dong, Thales Underwater Systems
1700 - 1730	<i>The Future of Lighthouses: The Sarawak Perspective</i> A F Ahmad Fuad, Universiti Malaysia, Terengganu	<i>Extending Submarine Equipment Beyond its Service Life</i> D. Grocock, Babcock Pty Ltd
1730 - 1800	<i>Development of new RAN Personal Lifesaving Equipment</i> D. Drohan, Dept of Defence	<i>Modularity: Naval Ship Modernization with Reduced Cost and Increased Flexibility; an LCS Update</i> M. Deblasio, Northrop Grumman International Inc.
1800	RAN Official Reception, Parkside Ballroom, Sydney Convention & Exhibition Centre	

Pacific 2012 International Maritime Conference Program Wednesday 1 February 2012		
Room	Parkside 110A	Parkside 110B
0830 - 1100	Session 6 - Ship Building	Session 7 - Submarine Design
0830 - 0900	Keynote Address: <i>Swedish Navy Technical Successes</i> RADM Thornqvist Chief of Staff Royal Swedish Navy	
0900 - 0930	<i>Design to Production - Air Warfare Destroyer</i> J. Carr, AWD Alliance	<i>Australian Indigenous Submarine Design Capability</i> G. McDonald, BMT Design & Technology
0930 - 1000	<i>The Build Sequence: the art and science behind the AWD consolidation.</i> S. Ridgway & P Davie, AWD Alliance	<i>Developing Australia's Future Submarine.</i> H. Wicklander, Deep Blue Technology
1000 - 1030	<i>Sonar Acoustic Transducer Technology: A Priority Industry Capability for Australia.</i> T. Cain, Thales Australia	<i>Optimising SSK Transit Performance through Hullform, Transit Mode and Diesel Powerplant Selection.</i> J. Mann, BMT Defence Services
1030 - 1100		<i>A Study on the Effects of Surface Coating on Submarines Subjected to Underwater Explosions.</i> W. Zhang, Naval Arming Academy, PRC.
1100 - 1130	Morning Tea break	
1130 - 1330	Session 8 - Naval Shipbuilding Quadrilateral	Session 9 - Submarine Powering
1130 - 1200	<i>Naval Shipbuilding Quadrilateral</i> US Navy - Ms A. Stiller US Coast Guard - RADM J. Korn	<i>Sensitivity of Submarine Performance to Power and Energy System Parameters.</i> R. Jarvis, DSTO
1200 - 1230	UK - Mr T. Graham Canada - CDRE P. Finn Australia - RADM P. Marshall An open forum discussion on lessons learned and opportunities to improve the construction of naval ships and submarines	<i>Submarine Power and Propulsion: Balancing the Energy Elements</i> J. Buckingham, BMT Defence Services
1230 - 1300		<i>Considerations for Conventional Submarine Energy Chain Design.</i> D. Williams, Deep Blue Technology
1300 - 1330		<i>Regenerative Hybrid Propulsion and Auxiliary Machinery Design for Conventional Submarines.</i> Dr Z. Haider Zaidi, Pakistan Navy
1330 - 1430	Lunch break	
1430 - 1630	Session 10 - Marine Engineering	Session 11 - Ship Acquisition
1430 - 1500	<i>Diesel Engine Back Pressure Controller.</i> O. Tregenza, DSTO	<i>Application of Foresight Planning to ADF Platform Acquisition.</i> J. Wharington DSTO
1500 - 1530	<i>Exploring Options to Reduce Fuel Consumption</i> J. Buckingham, BMT Defence Services	<i>A Framework for Integrated Platform Configurations using the Integrated Platform System Model with a Submarine Analysis Example.</i> S. Harrison and J. Rodgers, DSTO
1530 - 1600	<i>Status and Way Forward for LNG as a Maritime Fuel</i> L. Blikom, Det Norske Veritas	<i>System Architecting to achieve acquisition risk mitigation on the AWD project</i> S. Saunders, AWD Alliance
1600 - 1630	<i>Propulsion System Options for a modern Multi-role Patrol Vessel</i> M. O'Connor, Rolls Royce	<i>Marine Propulsion Technologies: Transforming Grey Ships to Green</i> C. Fenske, MTU GmbH, Germany
1630 - 1730	Session 10B - Marine Engineering	Session 11B - Amphibious Support Vessels
1630 - 1700	<i>Tanking Control</i> C. Gates, BMT Design & Technology, Australia	<i>Economical Multi-role Solutions</i> T. Speer, Austal Ships Ltd
1700 - 1730	<i>Assessment of Governor Control Parameter Settings of a Submarine Diesel Engine.</i> P. Hield, DSTO	
1800 - 1930	IMC Cocktail Reception, Australian National Maritime Museum, Darling Harbour	

Pacific 2012 International Maritime Conference Program Thursday 2 February 2012		
Room	Parkside 110A	Parkside 110B
0830 - 1100	Session 12 - Marine Research	Session 13 - Maritime Automation
0830 - 0900	Keynote Address: <i>Dr Ian Sare</i> <i>Deputy Chief Defence Scientist, DSTO</i>	
0900 - 0930	<i>Developing Australia's Indigenous Marine Craft Manoeuvring Analysis and Evaluation Capability.</i> E. Dawson, DSTO	<i>The Wave Glider: Enabling a new Approach to Persistent Ocean Observation and Surveillance.</i> N.Trenaman, Liquid Robotics, USA
0930 - 1000	<i>Research into the Circular Wave Pool: a new method of generating controlled breaking waves.</i> Dr J. Binns, Australian Maritime College	<i>Emerging Fibre Optic Sensor Technology for Maritime Security.</i> P. Baker, Thales Australia
1000 - 1030	<i>Predicting Berthed Ship - Passing Ship Interaction for Different Channel Geometries.</i> M. Renilson, Australian Maritime College	<i>Integration of Unmanned Air Systems for Maritime Operations.</i> T.Myall, Frazer-Nash Consultancy
1030 - 1100	<i>Radiation Characteristics of Turbulent Flow-induced Noise over a Submarine.</i> L. Chen, DSTO	<i>SMART Valves for Damage Control and Survivability.</i> P. Fraser, Australian Marine Technologies
1100 - 1130	Morning Tea Break	
1130 - 1330	Session 14 - Hydrodynamics	Session 15 - Ship & Submarine Strength
1130 - 1200	<i>The Quest for Optimum High Speed Planning Craft Design</i> Dr W. Smith, ADFA, University of New South Wales	<i>Ultimate Strength Calculations for an Aluminium Patrol Boat</i> T. Magoga, DSTO
1200 - 1230	<i>Effect of Length to Diameter Ratio on the Hydrodynamic Coefficients of a Submarine Operating Close to the Surface in Calm Water</i> M. Renilson, Australian Maritime College	<i>Use of Modern High Strength Steel Grades in Australia</i> J. Verdaasdonk, AWD Alliance
1230 - 1300	<i>Understanding the Manoeuvring Performance of an X-Plane Submarine in Deep Water and Near the Surface.</i> P. Crossland, QinetiQ Ltd.	<i>Advanced Nondestructive Inspection for Submarine Structural Integrity Management.</i> C. Harding, DSTO
1300 - 1330	<i>A Comparison of Submarine Sail Geometry on the Hydrodynamic Performance of a Generic Submarine.</i> G. Seil, Sinclair Knight Merz Pty Ltd	<i>Review of Residual Stress Measurements in Hull Sections of Submarines.</i> X. Ficquet, VEQTER Residual Stress Services, UK
1330 - 1430	Lunch Break	
1430 - 1630	Session 16 - Combat Systems	Session 17 - Detail Ship Design
1430 - 1500	<i>Delivery of the Benefits of the Australian Tactical Interface into the AWD Combat System Design.</i> D. Hanley, AWD Alliance	<i>Underwater Signature Management Solutions.</i> S.Davidson, Ultra Electronics, UK
1500 - 1530	<i>Design of a Submarine Countermeasure Launch System using Dynamic System Modelling.</i> M. Ratcliffe, Babcock Pty Ltd	<i>Defining Infra-red Signature Requirements for Naval Acquisitions.</i> L. De Yong, DSTO
1530 - 1600	<i>Optimisation of SSK Combat System using Technico-operational Simulations.</i> J.M Bolot, DCNS, France	<i>Boat Launch and Recovery - a Key Enabling Technology for Flexible Warships.</i> A. Kimber, BMT Defence Services, UK
1600 - 1630	<i>An Open Contracting and Open Architecture Approach to Providing Force Protection Against The Torpedo Threat.</i> S. Bell, Ultra Electronics, UK	<i>HVAC and Citadel Concept Design Study for a Small Surface Combatant.</i> C. Domine, Department of Defence
1630 - 1700	Closing Ceremony, Parkside Auditorium	
1700 - 1800	Exposition Happy Hour, Exhibition Halls 4, 5 & 6	