

Wednesday 30 th September 2026		
08.30-09.15	Coffee and Registration	
	Plenary <i>Moderator:</i>	
09.15-09.20	Welcome to Country, <i>The Royal Institution of Naval Architects</i>	
09.20-09.30	Welcome Address, <i>The Royal Institution of Naval Architects & BMT</i>	
09.30-10.00	Keynote: David Hanley, Deputy Secretary Naval Shipbuilding and Sustainment, Defence Australia	
10.00-10.30	Keynote:	
10.30-11.00	Coffee	
Session 1	Stream 1: Fleet Concepts <i>Moderator:</i>	Stream 2: Naval Enterprise <i>Moderator:</i>
11.00-11.20	Affordable Distributed Lethality <i>Malcolm Waugh</i>	The Grey Space: Requirements, expectations, and the overlay of the naval context <i>Rozetta Payne, Australian Department of Defence</i>
11.20-11.40	What is a Minimum Viable Warship? <i>Jake Rigby, BMT</i>	Connecting Today's Fleet with the Shipbuilding Enterprise: A Model-Based Sustainment Approach <i>Simon Crook, SSI (ShipConstructor Software Inc.)</i>
11.40-12.00	Can you achieve global reach with minor warships alone? <i>Matt Hood, Nova Systems</i>	Challenges and Strategies in multi-vehicle maritime autonomy: lessons learned from Air and Land <i>Changhun Han, Navantia Australia</i>
12.00 – 12.30	Q&A Panel	Q&A Panel
12.30-13.30	Lunch	
Session 2	Stream 1: Hybrid Navy & Workforce Transformation <i>Moderator:</i>	Stream 2: Autonomous Warfare <i>Moderator:</i>
13.30-13.50	TBC	A Vessel-Centric Approach to Integrating Autonomy into Large Surface Vessels <i>Ozan Perincek, Austal</i>
13.50-14.10	Leveraging Transparency Research to Enhance Human-Machine Integration in Naval Operations <i>Apsara Abeysiriwardhane, Navantia Australia</i>	Anti Submarine Warfare Barriers - Wargaming the Offboard Fleet <i>David Manley, University College London</i>
14.10-14.30	Commercial standard Ro-Ro vessels with military cargo and staging capability <i>Ken Goh, Knud E. Hansen Australia</i>	Capability Resilience of a Disaggregated System of Systems, and Technologies to Facilitate It <i>Jordan Curtis, Survivability Consulting Ltd</i>
14.30-15.00	Q&A Panel	Q&A Panel
15.00 – 15.30	Coffee	
Session 3	Stream 1: Production & Scale <i>Moderator:</i>	Stream 2: Autonomy in Practice <i>Moderator:</i>
15.30-15.50	Development of a Novel Design for Scalable Sea Drones Production <i>Lihui Ng, Defence Science and Technology Agency</i> <i>Presenting: Martin Wibawa</i>	Navigating Autonomy: Defence's Contemporary Approach to the Regulation of Autonomous and Optionally Crewed Naval Vessels under the new Defence Seaworthiness Program <i>Rachel Horne, Australian Naval Seaworthiness Authority, Royal Australian Navy</i>
15.50-16.10	Design for Production and Producibility Considerations for Unmanned Surface Vessels <i>Ryan Westra, University of Michigan</i>	Human Factors in the Deployment of Autonomous Underwater Vehicles: Challenges and Solutions for Launch and Recovery Systems <i>Peter Schumacher, Adelaide University</i>
16.10-16.30	Design for Producibility: A Model-Based Systems Engineering Approach <i>Trevor Kilinski, University of Michigan</i>	UAV Launch and Recovery using Airwake Quiescent Period Prediction; Test and Evaluation System <i>Bernard Ferrier, Fincantieri Marinette Marine</i>
16.30-17.00	Q&A Panel	Q&A Panel
17.00 – 17.30	General Discussion and Closure of Day 1 <i>Moderator:</i>	
17.30 – 19.30	Drinks Reception	



The Royal Institution of Naval Architects

Warship 2026 Scaling the Fleet: Delivering Added Mass with Affordable Minor Warships

30 September - 1 October 2026, Perth, Australia

Thursday 1 st October 2026		
08:30-09:20	Coffee and Registration	
09:20-09:30	Welcome Address, The Royal Institution of Naval Architects & BMT	
09:30-10:30	Roundtable: Minor Warfare Moderator: Jake Rigby, BMT Panellists: - Capt Simon Sykes, Director Army Seaworthiness Support, Department of Defence - Tim Speer, SSA Chief Engineer, Austal Defence Shipbuilding Australia (ADA) - Sean McCracken, Senior Lecturer, UNSW	
10:30-11:00	Coffee	
Session 1	Stream 1: Lean Crewing <i>Moderator:</i>	Stream 2 – University of NSW Canberra Session <i>Moderator:</i>
10.30-10.50	Greenroom Robotics	
10.50-11.10	Sensor Sufficiency for Lean-Crewed Minor Warship Health Monitoring: Identifying Minimum Viable Instrumentation for Data-Driven Remaining Useful Life Prediction <i>Alexander Manohar, University of Michigan</i>	
11.10-11.30	Optimising the Wrong Variable? Lean Manning, Autonomy, and Recovery Margin in Minor Warship Design <i>Prof. Karina Joritsma, BMT</i>	
11.30-12.00	Q&A Panel	Q&A Panel
12.00-13.00	Lunch	
Session 2	Stream 1: Designing for Naval Capability <i>Moderator:</i>	Stream 2: Lifecycle Engineering <i>Moderator:</i>
13.00-13.20	Supporting Design for Autonomous Naval Vessels: Learning from developing code for auto-remote operations for navy. <i>Dr. Piyush Raj, DNV Maritime Advisory, SEAPI</i>	Risk Based Approach to Margins Management <i>Hayden Lee, Navy Engineering Branch - Royal Australian Navy</i>
13.20-13.40	Minor Warship Lifecycle Costs – A study of commonality, modularity and survivability implications <i>Joe Cole, Department of Defence</i>	Through life optimisation of naval hull structures using risk-based methods and advanced repair techniques <i>Matthew Williamson, Floating Solutions Consulting</i>
13.40-14.00	Motions and added resistance of a trimaran in regular oblique waves <i>Leo Nowruz, ACMT</i>	Analysis of Hull Loads and Sliding Response during Landing Ship Beachings <i>Teresa Magoga, Defence Science and Technology Group</i>
14.00-14.30	Q&A Panel	Q&A Panel
14.30-15.00	Coffee	
Session 3	Stream 1: Structural Integrity <i>Moderator:</i>	
15.00-15.20	Global Finite Element Analysis and Fatigue Strength Assessment for Life of Type Extensions <i>David Seagar, BMT</i>	
15.20-15.40	Beaching Behaviour of Modern Landing Craft: Scale Model Testing for Design Requirements and End User Guidance <i>Teresa Magoga, Defence Science and Technology Group</i>	
15.40-16.00	TBC	
16.00-16.30	Q&A Panel	
16.30-17.30	General Discussion and Closure of the Conference <i>Moderator:</i>	