



The Royal Institution of Naval Architects  
**Warship 2018: Procurement of Future  
 Surface Vessels**

11-12 September 2018, London, UK

Sponsored by:



Tuesday 11 <sup>th</sup> September		
08.55-09.25	Coffee and Registration	
09.25-09.30	<b>Welcome Address</b> , Trevor Blakeley, the Royal Institution of Naval Architects, UK	Session 1: Simon Jones, BMT, UK
09.30-10.05	<b>KEYNOTE: Implementing the National Ship Building Strategy for Surface Warships</b> <i>Rear Admiral Henry Parker, Director of Ship Acquisition, Defence Equipment and Support (DE&amp;S), UK</i>	
10.05-10.40	<b>The Conflict Between Ship Design and Procurement Policies</b> <i>David Andrews, University College London, UK</i>	
10.40-11.15	<b>How much is too much? The Cost of Commonality</b> <i>Oliver Short, Naval Design Partnering Team, UK</i>	
11.15-11.40	Coffee	
11.40-12.15	<b>Future Air Defence: Countering Emerging Threats</b> <i>Lewis Griffiths, Jake Rigby, BMT, UK</i>	
12.15-12.50	<b>The Advanced Technology Corvette (Railgun): A Concept Exploration of Future Warships</b> <i>Dr Rachel Pawling, Luke Farrier, Dr Nick Bradbeer, University College London, UK</i>	
12.50-13.45	Lunch	
13.45-14.20	<b>Virtual Reality for Design of New Warship Concepts</b> <i>Kenneth Goh, Knud E Hansen Australia P/L, Australia</i>	Session 2: Alex Aitken, BMT, UK
14.20-14.55	<b>Certifying the Nations Flagship – A greater Level of Assurance</b> <i>Stuart Hunt, S Justice, BAE Systems, UK</i>	
14.55-15.20	Coffee	
15.20-15.55	<b>Purple Fire Vulnerability/Lethality Assessment Tool</b> <i>James Schofield, Survivability Consulting Limited, UK</i>	
15.55-16.30	<b>Experimental Investigation of Flow over the Flight Deck of a Generic Aircraft Carrier</b> <i>K Vignesh Kumar, M P Mathew, S S Sinha S N Singh, Indian Institute of Technology Delhi, India</i> <i>R Vijayakumar, Indian Institute of Technology Madras, India</i>	
16.30-	General Discussion & Evening Drinks Reception	



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Wednesday 12 <sup>th</sup> September		
08.55-09.25	Coffee and Registration	
09.25-10.00	<b>The NATO Drive to Mission Modularity</b> <i>David Manley, Ministry of Defence, UK</i>	Session 3: David Andrews, UCL, UK
10.00-10.35	<b>The Next Generation MCM Platform - Not Yet Full Autonomy</b> <i>Alex Aitken, BMT, UK</i>	
11.10-11.35	Coffee	
11.35-12.10	<b>The Implications of Adaptability, Flexibility and Modularity for the Royal Navy Warship Design</b> <i>Malcolm Courts, BAE Systems, UK</i> <i>C. N. Broadbent, Defence Science and Technology Laboratory, UK</i>	
11.35-12.10	<b>Bringing medical facilities to the forefront of naval ship design, focusing on mission adaptability and the integration of modular medical facilities</b> <i>Pilar Morales, Harry Schweidler, Babcock International Group, UK</i>	
12.10-13.10	Lunch	
13.10-13.45	<b>The Future Warship: Green &amp; Mission Capable</b> <i>Cody Lyster, Ashley James, Babcock International Group, UK</i>	Session 4: David Manley, MoD, UK
13.45-14.20	<b>Trends in Environmental Requirements and their Impact on the Future Surface Vessel</b> <i>James Livingstone, BAE Systems, UK</i>	
14.20-14.55	<b>Designing to Support Through Life Assurance: a Welding and NDT Perspective</b> <i>Mark Sansom, James Clarke, Veronica Williams, Babcock International Group, UK</i>	
14.55-	General Discussion & Coffee	