



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

11-12 September 2018, London, UK

Sponsored by:



Tuesday 11 th September		
08.55-09.25	Coffee and Registration	
09.25-09.30	Welcome Address , Trevor Blakeley, the Royal Institution of Naval Architects, UK	Session 1: Simone Jones, BMT, UK
09.30-10.05	KEYNOTE: Implementing the National Ship Building Strategy for Surface Warships <i>Rear Admiral Henry Parker, Director of Ship Acquisition, Defence Equipment and Support (DE&S), UK</i>	
10.05-10.40	The Conflict Between Ship Design and Procurement Policies <i>David Andrews, University College London, UK</i>	
10.40-11.15	How much is too much? The Cost of Commonality <i>Oliver Short, Naval Design Partnering Team, UK</i>	
11.15-11.40	Coffee	
11.40-12.15	Design Space Exploration for Military High Speed Craft Procurement <i>Steven Lee, Naval Design Partnering Team, UK</i>	
12.15-12.50	The NATO Drive to Mission Modularity <i>David Manley, Ministry of Defence, UK</i>	
12.50-13.45	Lunch	
13.45-14.20	The Implications of Adaptability, Flexibility and Modularity for the RN <i>Malcolm Courts, BAE Systems, UK</i> <i>C. N. Broadbent, Defence Science and Technology Laboratory, UK</i>	Session 2: David Andrews, UCL, UK
14.20-14.55	The Next Generation MCM Platform - Not Yet Full Autonomy <i>Alex Aitken, BMT, UK</i>	
14.55-15.20	Coffee	
15.20-15.55	Bringing medical facilities to the forefront of naval ship design, focusing on mission adaptability and the integration of modular medical facilities <i>Pilar Morales, Harry Schweidler, Babcock International Group, UK</i>	
15.55-16.30	SCL's Purple Fire Survivability/Lethality Assessment Tool <i>James Schofield, Survivability Consulting Limited, UK</i>	
16.30-	General Discussion & Evening Drinks Reception	



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Wednesday 12 th September		
08.55-09.25	Coffee and Registration	
09.25-10.00	Smart Warships in the Networked Battlefield <i>Lewis Griffiths, BMT, UK</i>	Session 3: David Manley, MoD, UK
10.00-10.35	Virtual Reality for Design of New Warship Concepts <i>Ken Goh, Knud E Hansen Australia P/L, Australia</i>	
10.35-11.10	The Advanced Technology Corvette (Railgun): A Concept Exploration of Future Warships <i>Dr Rachel Pawling, Luke Farrier, Dr Nick Bradbeer, University College London, UK</i>	
11.10-11.35	Coffee	
11.35-12.10	Trends in Environmental Requirements and their Impact on the Future Surface Vessel <i>James Livingstone, BAE System, UK</i>	
12.10-12.45	The Future Warship: Green & Mission Capable <i>Cody Lyster, Babcock International Group, UK</i>	
12.45-13.40	Lunch	
13.40-14.15	The Use of Payload Factor as a Design Parameter for the Payload Efficiency of Warships <i>Berkay Çilli, Dr Nurhan Kahyaoglu, Piri Reis University, Turkey</i>	Session 4: Alex Aitken, BMT, UK
14.15-14.50	Designing to Support Through Life Assurance: a Welding and NDT Perspective <i>Mark Sansom, James Clarke, Veronica Williams, Babcock International Group, UK</i>	
14.50-15.15	Coffee	
15.15-15.50	Certifying the Nations Flagship – A greater Level of Assurance <i>Stuart Hunt, BAE System, UK</i>	
15.50-16.25	Experimental Investigation of Flow over the Flight Deck of a Generic Aircraft Carrier <i>K Vignesh Kumar, M P Mathew, SS Sinha, Indian Institute of Technology Delhi, India R Vijayakumar, Indian Institute of Technology Madras, India</i>	
16.25-	General Discussion	