



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
09.30-10.05	KEYNOTE	
10.05-10.40	The Conflict Between Ship Design and Procurement Policies <i>David Andrews, University College London, UK</i>	
10.40-11.15	A Method for Assessing Flexibility as a Ship Design Requirement <i>Dylan M. Dwyer, Brett A. Morris, Defence Science and Technology Group, Australia</i>	
11.15-11.40	Coffee	
11.40-12.15	How much is too much? The Cost of Commonality <i>Oliver Short, Naval Design Partnering Team, UK</i>	
12.15-12.50	On the Methods Needed to Support Off-the-Shelf Naval Vessels Acquisitions <i>Brett A. Morris, Dylan M. Dwyer, Defence Science and Technology Group, Australia</i>	
12.50-13.45	Lunch	
13.45-14.20	Design Space Exploration for Military High Speed Craft Procurement <i>Steven Lee, Naval Design Partnering Team, UK</i>	Session 2
14.20-14.55	The NATO Drive to Mission Modularity <i>David Manley, Ministry of Defence, UK</i>	
14.55-15.30	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>	
15.30-15.55	Coffee	
15.55-16.30	The Next Generation MCM Platform - Not Yet Full Autonomy <i>Alex Aitken, BMT Defence Service, UK</i>	
16.30-17.05	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>	
17.05-	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 Defence Service, UK</i>
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>
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>
14.50-15.25	Certifying the Nations Flagship – A greater Level of Assurance <i>Stuart Hunt, BAE System, UK</i>
15.25-15.50	Coffee
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>
16.25-17.00	SCL's Purple Fire Survivability/lethality Assessment Tool <i>James Schofield, Survivability Consulting Limited, UK</i>
17.00-	General Discussion

Session 3

Session 4