



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><br><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><br><i>David Andrews, University College London, UK</i>   |                                 |
| 10.40-11.15                        | <b>How much is too much? The Cost of Commonality</b><br><i>Oliver Short, Naval Design Partnering Team, UK</i>   |                                 |
| 11.15-11.40                        | Coffee  |                                 |
| 11.40-12.15                        | <b>Smart Warships in the Networked Battlefield</b><br><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><br><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><br><i>Ken 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><br><i>Stuart Hunt, BAE Systems, UK</i>  |                                 |
| 14.55-15.20                        | Coffee  |                                 |
| 15.20-15.55                        | <b>Purple Fire Vulnerability/Lethality Assessment Tool</b><br><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><br><i>K Vignesh Kumar, M P Mathew, SS Sinha, Indian Institute of Technology Delhi, India<br/>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 |   |                                   |
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| 08.55-09.25                          | Coffee and Registration   |                                   |
| 09.25-10.00                          | <b>The NATO Drive to Mission Modularity</b><br><i>David Manley, Ministry of Defence, UK</i>   | Session 3: David Andrews, MoD, UK |
| 10.00-10.35                          | <b>The Next Generation MCM Platform - Not Yet Full Autonomy</b><br><i>Alex Aitken, BMT, UK</i>  |                                   |
| 10.35-11.10                          | <b>The Implications of Adaptability, Flexibility and Modularity for the Royal Navy Warship Design</b><br><i>Malcolm Courts, BAE Systems, UK</i><br><i>C. N. Broadbent, Defence Science and Technology Laboratory, UK</i>                |                                   |
| 11.10-11.35                          | Coffee  |                                   |
| 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><br><i>Pilar Morales, Harry Schweidler, Babcock International Group, UK</i> |                                   |
| 12.10-12.45                          | <b>The Future Warship: Green &amp; Mission Capable</b><br><i>Cody Lyster, Ashley James, Babcock International Group, UK</i>   | Session 4: David Manley, MoD, UK  |
| 12.45-13.40                          | Lunch   |                                   |
| 13.40-14.15                          | <b>Designing to Support Through Life Assurance: a Welding and NDT Perspective</b><br><i>Mark Sansom, James Clarke, Veronica Williams, Babcock International Group, UK</i>   |                                   |
| 14.15-14.50                          | <b>Trends in Environmental Requirements and their Impact on the Future Surface Vessel</b><br><i>James Livingstone, BAE Systems, UK</i>  |                                   |
| 14.50-15.25                          | <b>The Use of Payload Factor as a Design Parameter for the Payload Efficiency of Warships</b><br><i>Berkay Çilli, Dr Nurhan Kahyaoglu, Piri Reis University, Turkey</i>   |                                   |
| 15.25-                               | General Discussion & Coffee   |                                   |