



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: Simon 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 | Smart Warships in the Networked Battlefield <i>Lewis Griffiths, BMT, UK</i> | |
| 12.15-12.50 | 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> | |
| 12.50-13.45 | Lunch | |
| 13.45-14.20 | Virtual Reality for Design of New Warship Concepts <i>Ken Goh, Knud E Hansen Australia P/L, Australia</i> | Session 2: Alex Aitken, BMT, UK |
| 14.20-14.55 | Certifying the Nations Flagship – A greater Level of Assurance <i>Stuart Hunt, BAE Systems, UK</i> | |
| 14.55-15.20 | Coffee | |
| 15.20-15.55 | Purple Fire Vulnerability/Lethality Assessment Tool <i>James Schofield, Survivability Consulting Limited, UK</i> | |
| 15.55-16.30 | 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> | |
| 16.30- | General Discussion & Evening Drinks Reception | |



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| Wednesday 12 th September | | |
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| 08.55-09.25 | Coffee and Registration | |
| 09.25-10.00 | The NATO Drive to Mission Modularity <i>David Manley, Ministry of Defence, UK</i> | Session 3: David Andrews, MoD, UK |
| 10.00-10.35 | The Next Generation MCM Platform - Not Yet Full Autonomy <i>Alex Aitken, BMT, UK</i> | |
| 10.35-11.10 | The Implications of Adaptability, Flexibility and Modularity for the Royal Navy Warship Design <i>Malcolm Courts, BAE Systems, UK</i> <i>C. N. Broadbent, Defence Science and Technology Laboratory, UK</i> | |
| 11.10-11.35 | Coffee | |
| 11.35-12.10 | 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> | |
| 12.10-12.45 | The Future Warship: Green & Mission Capable <i>Cody Lyster, Ashley James, Babcock International Group, UK</i> | |
| 12.45-13.40 | Lunch | |
| 13.40-14.15 | Designing to Support Through Life Assurance: a Welding and NDT Perspective <i>Mark Sansom, James Clarke, Veronica Williams, Babcock International Group, UK</i> | Session 4: David Manley, MoD, UK |
| 14.15-14.50 | Trends in Environmental Requirements and their Impact on the Future Surface Vessel <i>James Livingstone, BAE Systems, UK</i> | |
| 14.50-15.25 | 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> | |
| 15.25- | General Discussion & Coffee | |