



The Royal Institution of Naval Architects
Warship 2019: Multi-Role Vessels
 25-26 June 2019, Bristol, UK

Sponsored by:



Tuesday 25 th June		
08.45-09.10	Coffee and Registration	
09.10-09.15	Welcome Address , Karl Monk, Technical Director, Royal Institution of Naval Architects, UK	Session 1: Rachel Pawling, UCL, UK
09.15-09.20	BMT Welcome	
09.20-09.55	KEYNOTE: <i>Capt. Tim Currass and Capt. Jules Lowe, Royal Navy Command Headquarters</i>	
09.55-10.30	Allied Maritime Forces Transformation: Towards a Defence Planning Process that Includes Adaptable Warships <i>Richard Logtmeijer, Ministry of Defence, NL</i> <i>David Manley, Ministry of Defence, UK</i> <i>Co-authors from NATO partner AUS and NATO countries CA, GE, IT, NL, UK and USA</i>	
10.30-11.05	Multi-Role Vessels: Manning, Design & Cost Drivers <i>Daniel Smith, Naval Design Partnering Team, UK</i>	
11.05-11.35	Coffee	
11.35-12.10	The Multi Role Combatant - Jack of All Trades Master of None? <i>David Andrews, UCL, UK</i>	
12.10-12.45	When is the Adaptable or Multi-Role Ship the Right Answer? <i>Charles Moss, Andy Kimber, BMT, UK</i>	
12.45-13.40	Lunch	
13.40-14.15	The Affordable Surface Combatant, the Application of Modularity and Flexibility in Delivering the Future Fleet <i>Malcolm Robb, David Lewis, BAE Systems Maritime, UK</i> <i>Giota Paparistodimou, University of Strathclyde, UK</i> <i>Charles McPartland, Ministry of Defence, UK</i>	Session 2: David Andrews, UCL, UK
14.15-14.50	The Importance of Onboard Infrastructure to Enable Future Vessel Enhancements at Build and Through Life <i>Simon Willmore, BMT, UK</i>	
14.50-15.20	Coffee	
15.20-15.55	The Use of CAD Systems to Manage Modularity in Multi-Role Warships <i>Rodrigo Perez, Erno Peter Cosma, SENER, Spain</i>	
15.55-16.30	Inline-Slot Ejector Diffuser for a Warship to Suppress IR Signatures <i>Lakhvinder Singh, Sidh Nath Singh, Indian Institute of Technology Delhi, India</i>	
16.30-	General Discussion & Evening Drinks Reception	



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08.45-09.15	Coffee and Registration	
09.15-09.50	Norway's New Multi-Role Logistics and Support Vessel (LSV) <i>Simon Jones, Alex Aitken, BMT, UK</i>	Session 3: Daniel Smith, Naval Design Partnering Team, UK
09.50-10.25	Pushing the Limit: The Role-less Multirole Warship <i>Dr Rachel Pawling, Dr Nick Bradbeer, UCL, UK</i>	
10.25-11.00	Development of a Twin Stern Ramp Lars for Rapid Response Craft on a Multi-Role Naval Vessel <i>N L Koh, D B Wong, Y M J Tan, B H Chew, T S Gan, Defence Science and Technology Agency, Singapore</i>	
11.00-11.30	Coffee	
11.30-12.05	The Multi-Role Support Ship and Humanitarian Assistance and Disaster Relief Operations <i>Wade Carson, Derek Buxton, VARD Marine Inc., Canada</i>	
12.05-12.40	The Development of a Modular Multi-Role Vessel for Naval and Coastguard Operations <i>Andrew Humphries, Les Davies, Chris Browning, John Fox-Robinson, Vectis Marine Design Ltd, UK</i>	
12.40-13.35	Lunch	
13.35-14.10	Standardisation of Naval Containerised Modules - Enabling Interoperability across NATO <i>Hayden Cole, Julia Alvarez, Naval Design Partnering, UK</i>	Session 4: Alex Aitken, BMT, UK
14.10-14.45	A Review of UCL MSc Warship Designs <i>Cat Savage, Dr Rachel Pawling, Dr Nick Bradbeer, UCL, UK</i>	
14.45-15.20	MissionEase Boat Handling System for Multi-Role Mission Ships <i>Rolf Andreas Wigand, Atle Klave, Vestdavit AS, Norway</i>	
15.20-	General Discussion & Coffee	