

# WARSHIP 2019: Multi-Role Vessels

25-26 June 2019, Bristol, UK



Supported by:



## Call for Papers

Declining fleet numbers in many navies combined with rapidly evolving technologies is demanding more flexible vessels that can be easily re-roled or upgraded through life.

Common designs along with multi-role or modular technologies can reduce the number of hull types in service, thus affording higher levels of commonality between ship classes and the potential for reduced build and support costs. Flexibility and Adaptability requires ship designs to incorporate appropriate margins but these must be intelligently specified to ensure they are available when required and they do not compromise the core vessel capabilities.

The conference will present technical developments in the design and construction of multi-role vessels. It will also provide the opportunity to consider whether this is the best way forward and investigate the possible pitfalls and issues with this approach. It will address the following questions through the papers presented at the conference:

- What are the benefits of multi-role vessels?
- What are the operational scenarios for the use of such vessels and does the operator understand how they will use these vessels? Is vessel capability affected?
- What is the experience of existing flexible / multi-role vessels including how often they have been re-roled?
- Could this approach cause gaps between the designs of new classes leading to loss of skills?
- Are existing naval standards suitable for these types of vessel?
- How do the acquisition and through life costs of multi-role vessels compare to a mix of single role vessels?

Technical papers on the following topics are invited:

- Multi-role vessel designs
- Benefits and challenges of multi-role vessels
- Operational scenarios for multi-role / modular vessels
- Operational experience of multi-role vessels
- Adaptability including modularity
- Challenges of specifying multi-role or flexible ships including standards and margins
- Influence of future technologies on multi-role ship design
- Integration of unmanned and autonomous systems
- Costing of multi-role or modular designs for acquisition and through life

*Selected papers may be published in the Transactions of the Royal Institution of Naval Architects*

[www.rina.org.uk/warship2019](http://www.rina.org.uk/warship2019)

- ☐ I would like to offer a paper and attach a synopsis of no more than 250 words

**Please submit your abstract before 25<sup>th</sup> March 2019**

- ☐ I wish to receive details on exhibition space and sponsorship opportunities

- ☐ I would like to receive a full programme brochure and registration form

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