



# Autonomous Shipping

1-2 April 2020, London, UK

## Call for Papers

Remote and autonomous ships have the potential to redefine the maritime industry and the roles of the players in it with implications for shipping companies, shipbuilders and maritime systems providers, as well as technology companies from other (especially the automotive) sectors.

Modern ships already include complex automated systems. This technological development has allowed for a gradual reduction in onboard manning. Increased data collection, processing and interconnectivity capabilities, enabling the automated systems to be controlled remotely or through artificial intelligence, may gradually further reduce manning and ultimately result in unmanned ships. This has the potential to increase safety, improve the environmental performance of, and enable more cost-effective shipping. The technologies for this are maturing rapidly, but it is still questionable whether their implementation would ensure the safe operation of ships.

The operation of remote and autonomous ships will need to be at least as safe as existing vessels if they are to secure regulatory approval, the support of ship owners, operators, seafarers and wider public acceptance.

For remote controlled and autonomous shipping to become a reality, efforts are needed at all regulatory levels. Whilst some projects are already underway the legal challenges of constructing and operating vessels need to be explored and more fully understood, while simultaneously considering appropriate rule changes at the IMO.

RINA invites papers from ship designers, builders, operators, classification societies, legislative government bodies and organisations/companies with experience in other related autonomous domains, on topics including:

- Maritime remote-control technology
- Automated onboard systems
- Autonomous technology
- E-navigation
- Impact on maritime workforce and human factors
- Environmental impact
- Legal implications and maritime regulations
- Case studies and research projects

If you are interested in submitting an abstract please click on:  
[https://www.rina.org.uk/Register\\_Interest\\_in\\_Event.html](https://www.rina.org.uk/Register_Interest_in_Event.html)

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

**Please submit your abstract before 21<sup>st</sup> October 2019**

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

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Please return to: Conference Department, RINA, 8-9 Northumberland Street, London, WC2N 5DA  
by fax on +44 (0)20 7259 5912 or by email: [conference@rina.org.uk](mailto:conference@rina.org.uk)