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Technical Lecture

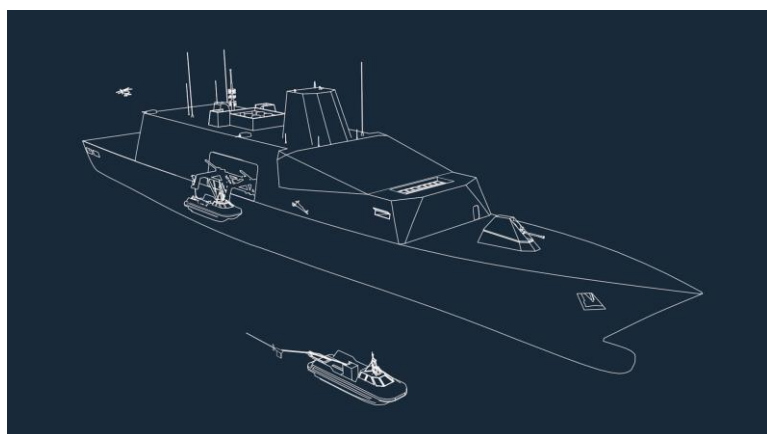
# Highly Autonomous Warship Technologies

**Presented by Jake Rigby**

**Date:** 19<sup>th</sup> September 2022  
**Time:** 19:00 for 19:30 (Refreshments and Pizza will be served prior to the lecture)  
**Venue:** Bath Royal Literary and Scientific Institution, 16-18 Queen Square, Bath BA1 2HN

## Summary:

Highly Autonomous Warship Technologies: Underpinning Safe, Secure and Cost-effective leancrewed warships. Embracing the future of maritime autonomy this paper explores the core enabling technologies that will facilitate lean crewing on warships. There are many ethical and practical constraints that currently make a completely unmanned surface combatant unfeasible; therefore the near future solutions may utilise highly autonomous vessels alongside smaller unmanned counterparts to create an optimal force structure. In this thought leadership piece, BMT breaks down the challenges of autonomy in warship design into seven core development areas and creates a vision for how a warship in 2040 could operate.



## Speakers:

Jake Rigby is the Research and Development Lead, responsible for the portfolio management of internal research projects in Defence at BMT. He is a chartered engineer and Member of the Royal Institution of Naval Architects originally training as a Naval Architect specialising in ship signatures before his current role of R&D lead.

For those unable to attend in person, we will be attempting to add a live feed for the first time via Zoom. Please click [here](#) and use password: 245457.



**CPD Certificates will sent out via Email to those in attendance of the in person meeting**



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