

Chair
Jake Rigby

Vice Chair
James Williams

Honorary Secretary
Benjamin Scott
secretary.wjb@branches.imarest.org



Western Joint Branch

Technical Lecture
Responsible & Ethical AI Development

Presented by Esin Turkbeyler

Date: Monday, 9th of September 2024
Time: **Doors Open at 18:15, lecture starts at 18:45 – Please note this new time is a trial for this season**
Venue: BRLSI, 16-18 Queen Square, Bath BA1 2HN
Organiser: Western Joint Branch RINA/IMarEST **Contact:** secretary.wjb@branches.imarest.org

Background: If the future of engineering development is Artificial Intelligence (AI), how can we ensure it helps us to create transparent and ethical design decisions? In this presentation, the critical topic of “Responsible and Ethical AI Development” will be explored. An introduction to AI will be provided, defining what it is and the different types and buzzwords. The current landscape of AI will be examined, highlighting its diverse functionalities and applications across various industries.

The inherent risks associated with AI will be addressed, emphasizing the importance of AI safety measures to mitigate potential harms. The discussion will then shift to AI governance, where existing frameworks and upcoming legislation aimed at ensuring ethical AI practices will be reviewed. By the end of this presentation, a comprehensive understanding of the ethical considerations and regulatory efforts essential for fostering responsible AI development will be gained by attendees.

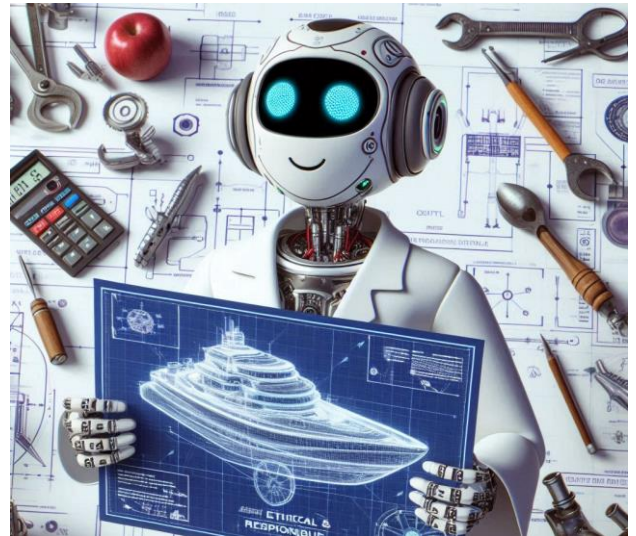



Image Created using DALL-E 3 AI Engine

Presenter: Dr Esin Turkbeyler is the Senior Principal Artificial Intelligence Lead at BMT, with over 24 years' experience in the domain. During this time Dr Turkbeyler has developed several AI based solutions in Computer Vision for Defence and commercial markets. Within her current role, Dr Turkbeyler has most recently been working on Multi Agent Reinforcement Learning (MARL) algorithms, applied to autonomous cyber defence decision making. Currently, she is investigating application of this technology on Maritime Autonomy. She has held a range of advisory positions including, Board member for MOD AI Strategy Board, board member for Accountable, Responsible, Transparent AI (ART-AI) CDT of Bath University, and executive committee member of IET in Vision and Imaging Network

Registration:
We will be running this as a Hybrid Event - [Click Here to Register](#)

 CPD Certificates will be sent out on request to the email address used to register.

Next event: Fore and Aft, The Story of the Purton Hulks

Date: 14th October 2024; **Time:** Refreshments at 18:00, lecture starts at 18:30.

Venue: Lecture Theatre 1N05, Building N, University of the West of England (UWE), BS16 1QY.

International HQ: 1 Birdcage Walk, London SW1H 9JJ • **Tel:** +44 (0) 20 7382 2600

Asia-Pacific Office: #03-01 GSM Building, 141 Middle Road, Singapore, 188976 • **Tel:** +65 6472 0096

Registered Charity No. 212992 • Chief Executive: David Loosley • Founded 1889. Incorporated by Royal Charter 1933 • Licensed body of the Engineering Council (UK) and the Science Council
AMERICAS • EUROPE • MIDDLE EAST & AFRICA • ASIA PACIFIC