Industrial Workshop on Systems Engineering

Digital transformation, sustainability, and workforce skill gap

April 18, 2023, 10am – 2.30pm
Empire House, London E1 1HH

Overview of the workshop

This workshop is organised by the School of Engineering and Material Science (SEMS) at Queen Mary University of London.

The aim is to discuss and deliver a big and discipline-bridging picture of Systems Engineering, in particular unpacking the growing expectations for System Engineering solutions and understanding the emerging competencies and skills (satisfying business needs).

It will provide an opportunity for leading practitioners to discuss and explore how businesses in the same or a different sector are dealing with the emerging global challenges, by focusing on three main themes to be discussed in breakout sessions – inspired by keynotes:

- Theme 1. Digital Transformation
- Theme 2. Sustainability & Environment
- Theme 3. Workforce & Skills

The outcome of this workshop will identify the critical gaps (in technologies, methods, skills) to determine future directions for Systems Engineering research and education. This will directly feed into our brand new MSc and Level 7 Apprenticeship programmes in Data-Centric Systems Engineering.

Programme

9.45	Arrival & coffee
10.00	Welcome note
10.15	Keynote talk 1 (TBC)
10.45	Breakout 1 (digital)
11.30	Launch
12.00	Breakout 2 (sustainability)
12.45	Keynote talk 2 (TBC)
13.15	Breakout 3 (workforce skills)
14.00	Group discussion
14.20	Wrap-up & next steps
14.30	End of workshop

Attendance in-person and for industry only.

Queen Mary
University of London