The Institution of Engineering and Technology

Swindon Network

Tuesday,
24 October 2023

This FREE joint event with the IMechE is hosted by the IET and is open to the general public.
Please register on the IET website to attend in the normal way.

ESI Assurance: Future Proofing Engineering Assurance

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R&D Product Approvals Manager,
Siemens Mobility Limited

ESI (Engage, Synchronise, Integrate) - How system assurance and functional models integrated, developed and maintained together, can efficiently adapt to new developments, with adequate support from the interacting Organisational factors.

Reliability/Availability/Maintainability (RAM) and Usability / Human Factors (HF) Engineering have evolved into standalone disciplines. Each of these specialist disciplines have devised methods, tools and techniques which are assessed throughout system development to provide assurance cases and demonstrate compliance with various Standards.

Whilst these functional silos allow for easy work breakdown, the lack of synchronisation imports the risk of disparities in outputs and lack of integration. This risk has manifested into major challenges on a sample of recent Railway and Defence systems development projects where efforts required to achieve a coherent ‘product’ are much greater than any predicted estimates.

Venue

The Egg Lecture Theatre,
The Deanery CE Academy,
Peglars Way, Wichelstowe,
Swindon SN1 7DA

Programme

18:30 Light Refreshments
19:00 Lecture Starts
20:30 Close

Contact
email -
Swindon@ietvolunteer.org

Book your place at
https://bit.ly/SwindonIET_EngX

theiet.org/communities

#ForThoseWhoDoMore

Joint Event

The Institution of Engineering and Technology

Institution of MECHANICAL ENGINEERS

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2 CPD HOURS