

Devon & Cornwall Joint Branch

A Joint Branch of the RINA and the IMarEST
Chairman: Rob Saunders
Hon Secretary: Geoff Davis 01752 880135
Hon Treasurer: Matt Gill



Date: Wednesday 10th Oct 2018

Time: 7:15 pm

Venue: Royal Plymouth Corinthian Yacht Club, Madeira Road, The Hoe, Plymouth

Organiser: Devon & Cornwall Joint Branch RINA/IMarEST

Contact Information: As above

Command and Control of Autonomous Systems and the challenges industry will encounter with information assurance, cyber vulnerabilities and the cultural transition

Matt Hunt BSc CEng MIET

The Royal Navy is supporting higher levels of operational tempo than ever before. BREXIT could add additional requirements such as fisheries protection to an already over stretched front line command. This tempo is being replicated by navies globally with some nations such as Australia having vast coast lines and limited resource.

Autonomous systems will remove the need for personnel to conduct dirty, dangerous or dull activities across commercial and defence sectors. Nobody is in any doubt that the implementation of autonomous systems will increase efficiencies, reduce costs and lower risk to life. The offshore oil and gas community are looking to have all subsea inspection activity autonomous by 2023 and the defence sector has an estimated market size globally of over 80 Billion euros out to 2025.

The transition though to autonomy will not be a binary step. There will be a number of challenges that will need to be overcome to assure both operational and public communities of the safety and benefits of these systems. It will not be the platforms themselves or the sensors that will be the major enabler, but the information security and command and control which will prove to be the most important. Unmanned systems does not necessarily mean less men and these systems will not replace conventional manned platforms, but augment, compliment and fill gaps. Turkey's do not vote for Christmas.

Matthew Hunt spent 22 years with the Royal Marines, finishing as the C4ISTAR Capability development officer, writing requirements and delivering major projects into service. Now the Business lead for Maritime Autonomous Systems at Thales he is responsible for defining strategy and delivering maritime autonomous systems into service across multiple domains including Mine Warfare, Anti-Submarine Warfare and Intelligence, Surveillance and Reconnaissance. His presentation will cover the cultural reticence to deploy these systems, the vulnerabilities of these systems and considerations that should be included when designing a system of systems enterprise. He will highlight the requirements and process for deploying these systems and highlight the incremental progression that will be required in order to build confidence and trust in these systems.

The talk is free and open to all those interested

Continued Professional Development	Certificate of Attendance at Technical Meeting by Branch Committee Member Name Signed
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