

# The Institution of Engineering and Technology - Lancashire and Cumbria Network

## Lecture Programme January 2024 - July 2024

Date/Time	Event Title:	Venue	Organised by & Contact	Speaker	Synopsis
Wednesday 10th January 19:30	<b>Forensic Science as a Career - With Case Study (Part 2)</b>	<b>The Forum 28 Duke Street Barrow-in-Furness LA14 1HH</b>	Organised by: <b>IET/PESC</b> Contact: <b>Anne Morris</b> (anne.morris@ietvolunteer.org)	<b>Isobel Colclough</b> Forensic Investigator	Abridging a 25-year career in Forensic Investigation from CSI to Academic to International Forensic Trainer and 'OFSED' for CSI Units and some of the experiences along the way, Isobel has taken an alternative route to the typical CSI career path and encountered some interesting casework, training courses and locations along the way. Working in South Manchester during the gang troubles of the early 2000's, International Investigations training in the Hague and training delivery in Libya are a few examples to be presented alongside an overview of changes in culture in Crime Scene Investigation since the introduction of the requirement to achieve accreditation to international standards.
Thursday 18th January 19:30	<b>Tidal Energy and Morecambe Bay</b>	<b>The Forum 28 Duke Street Barrow-in-Furness LA14 1HH</b>	Organised by: <b>IET/BDAE</b> Contact: <b>Anne Morris</b> (anne.morris@ietvolunteer.org)	<b>Professor George Aggidis</b> Lancaster University	Professor George Aggidis has been a long supporter of the potential to exploit tidal energy in Morecambe Bay and he will address the opportunity, and the benefits that a scheme could bring. We welcome George back to speak to us on an untapped Green energy resource. George is Professor and Head of Energy Engineering in the Engineering Department of the Faculty of Science and Technology at Lancaster University, UK, and Director of the Lancaster University Renewable Energy Group & Fluid Machinery Group.
Tuesday 18th January 19:45	<b>Technical Visit: BAE Systems Factory of the Future - Part of FalconWorks™</b>	<b>BAE Systems, Warton PR4 1AX</b>	Organised by: <b>IET</b> Contact: <b>Bill Wilcock</b> (bill.wilcock@ietvolunteer.org)	Visit Hosted by: <b>Steve Wilcock</b> <b>BEng(Hons) MIET</b> Head of Technology Environments	In order to meet the technical, affordability and timescale challenges of the Tempest and Future Combat Air Systems (FCAS) Programmes, BAE Systems are developing transformational ways of working. As one of its Technology Environments, Factory of the Future provides a collaborative environment, representative of BAE Systems production facilities, in which to develop and integrate technology and demonstrate new capabilities. The visit will provide an overview of the Tempest and FCAS Programmes and their associated demands and challenges, as well as showcasing the novel approaches and assembly methods they are developing for their next generation of products. Please note that registration is required.
Thursday 23rd January 19:00	<b>Wings Over Windermere</b>	<b>Castle Green Hotel Castle Green Lane Kendal LA9 6RG</b>	Organised by: <b>IET/KDES</b> Contact: <b>John Doffegnies</b> (john.doffegnies@ietvolunteer.org)	<b>Ian Gee</b>	Waterbird is the only replica seaplane of its era anywhere in the world. Apart from a modern engine it faithfully recreates the original Waterbird of 1911. Work on the replica began in 2009 & it flew in 2018. This talk will detail the challenges faced in recreating a fully workable Waterbird, it will be the story of 2 seaplanes one from 1911 and one of today.
Wednesday 7th February 19:30	<b>Living On The Moon, Off The Moon</b>	<b>The Forum 28 Duke Street Barrow-in-Furness LA14 1HH</b>	Organised by: <b>IET/PESC</b> Contact: <b>Anne Morris</b> (anne.morris@ietvolunteer.org)	<b>Dr Kathryn Hadler</b> Imperial College, London and Director of European Space Resources Innovation Centre (ESRIC)	As space exploration advances, the ability to utilise local resources becomes increasingly important. Transporting materials from Earth to the Moon is incredibly expensive, making it crucial for future lunar inhabitants to rely on locally sourced materials rather than on resupply missions from Earth. Fortunately, the Moon offers a wide range of resources, however determining how best to extract and use them presents a unique challenge. In this talk, we will explore potential solutions for utilising lunar resources in the near future.
Wednesday 7th February 18:30	<b>Smart Meters - Why Do 10% Not Work?</b>	<b>The Samlesbury Hotel Preston New Road Samlesbury Preston PR5 0UL</b>	Organised by: <b>IET</b> Contact: <b>Bill Wilcock</b> (bill.wilcock@ietvolunteer.org)	<b>John Cowburn</b> Director of Smart Energy Networks Ltd.	The government has mandated that every household in Great Britain will be offered a smart meter by 2020. The talk will cover what led to this decision and what benefits the customer gain by having them fitted. It will cover the technology employed and why there are two generations of meter, why customers cannot switch energy supplier with the first generation and why the second generation is years behind schedule. It will also cover the issues of data privacy and cyber security, the risks to critical national infrastructure associated with the roll out of the first generation smart meters and how these issues have been mitigated in other countries.
Thursday 15th February 19:30	<b>Experiences of Naval Shipbuilding in Canada</b>	<b>The Forum 28 Duke Street Barrow-in-Furness LA14 1HH</b>	Organised by: <b>BDAE</b> Contact: <b>Anne Morris</b> (anne.morris@ietvolunteer.org)	<b>Ian Tippins</b> Consultant to BAE Systems	Neil Tippins will reveal some of his experiences working for Irving Shipbuilding in Halifax, Nova Scotia. The yard is building the warships for the Canadian Navy under the National Shipbuilding Procurement Strategy.

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this allows us to contact you if there are any changes to the advertised arrangements.