



The Institution of
Engineering and Technology

Lancashire and Cumbria Network



Programme

January 2025

Free to attend - all welcome

Professional Home for Life® for Engineers and Technicians

Website: <https://engx.theiet.org/local-networks/nw1>

Chairman's Introduction

Welcome to the newsletter of the Lancashire and Cumbria local network for the Winter and Spring season of 2025.

As per the cover photo this season's theme is 'energy' with, for example, a lecture on the case for carbon capture in Barrow in January as well as 'Smart Meters' in February in St. Annes.

For the Autumn season just passed there has been being a varied set of lectures and the following events for future engineers the local network has been involved with:

- An Engineering Careers Event at UCLan in October
- Present Around the Network (PATN) a very popular event for our Young Professionals and Students and at the University of Lancaster in November; congratulations to Ben Hoyle (Thermodynamic model and control system of a hot tub) and Cade Bradbury (Electrical compliance testing)
- Supporting UlverSTEM many local employers in Cumbria also held in November

Continuing on this theme of promoting engineering the IET again will be supporting the bi-annual Lancashire Science Festival at UCLan in May.

Can I close by reminding you there will be our usual Spring IET Networking Event on Thursday 27th March at UCLan when the theme will be 'Digital Thread'. Representatives from several local employers and from further and higher education establishments across our network will be invited.

On behalf of the local Network Committee I hope to see you at our events and wish you a happy New Year!

Nigel Whitaker – Chairman

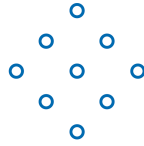
Retired Members' Section Chairman's Report

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The Retired members section has run four successful lectures in 2024 on topics ranging from 'Small Modular Reactors' and the 'Eden North Project'. In 2025 we have planned four more lectures, on topics as diverse as: Problems and Challenges of water and sewage and the Pooley Bridge Replacement.

The talks are held in a variety of locations in Lancashire and Cumbria. They begin at 10:30am and are followed by an optional lunch. We would love to see new faces and friends – the talks are attended by a variety of people not just retirees!

Suzanne – Retired Members' Chairman



Foothold

Supporting engineers

Run in the York 10K for Foothold: Take on a challenge in 2025 and support engineers and their families.

Pledge to run the York 10K – one of country's most beautiful city runs – for Foothold, and raise vital, life-changing money for engineers in need.

Since its launch in 2009, the event has also grown into one of Yorkshire's most popular 10Ks.

The York 10K offers runners the unique opportunity to race through the heart of this wonderful city. The route starts and finishes in Knavesmire Road, close to York Racecourse. It then takes in some of the city's most historic landmarks, including the ancient city walls, Clifford's Tower and the minster.

Date: 3rd August 2025

Location: York

Register by: 11th June 2025

Register today and help us make a real difference to the lives of engineers and their families around the world. Register at: runforcharity.com/foothold/york-10k-/1730287685066.8192

Foothold's Company Supporter Programme

Foothold recently launched their Company Supporter Programme which offers engineering companies the chance to build a bespoke collaboration with a charity whilst accessing exclusive opportunities and benefits for their organisation and employees.

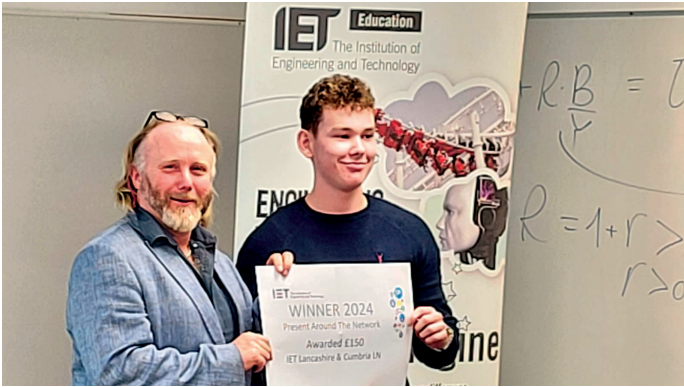
Benefits such as:

1. **Networking Opportunities:** The chance to connect with other industry leaders and like-minded organisations through bespoke events and forums.
2. **Brand Visibility and Recognition:** Let your support be known through our collaborative marketing efforts, showcasing your commitment to social value.
3. **Employee Engagement Initiatives:** Inspire and engage your workforce with unique CSR activities tailored to your team's interests.

Perhaps you know of, or work for a company that might be interested in Foothold's Company Support Programme? Could your business help make a greater impact in the engineering sector? Discover more about Foothold's Programme here: <https://tinyurl.com/corpsurp24-YT>

Info on Foothold support at:
<https://www.myfoothold.org/your-foothold-is-here/support-we-offer/>

Present Around The Network



WINNER: Ben Hoyle from BP&FC presented his 6th form project using Simulink (Matlab) to produce a thermodynamic model and control system of a hot tub. He discussed how his model was used to monitor and control water temperature with regard to electrical consumption and related costs.



RUNNER UP: Cade Bradbury a graduate from Sheffield Hallam University presented an insight into his role as a compliance testing Junior Engineer at CPC. His talk mentioned the importance of compliance testing and discussed examples when electrical items have failed causing fires such as Grenfell.

Shadi Hamadamin is a member of the Lancaster University MEDTECH society. He mentioned about his journey in becoming interested in Medical Engineering Technologies and joining the society at LU. He mentioned that the society is multidiscipline and looking at technologies such as AI and 3D printing to aid Medical operations and patients.

UlverSTEM

IET Lancashire & Cumbria again supported Ulverston's STEM event in collaboration with Barrow & District Association of Engineers (BDAE). The team supported the event with the IET Lego® , challenging individuals to "Build something they would see in the future" whilst discussing with them how engineers may play a part in our future, what interesting things engineers get involved in and how exciting engineering can be. Models were then awarded prizes of IET goodies along with career information leaflets and placed on the Stage of Fame – see photo. Feedback was very positive with the goodies being an enhancement from previous years and helping distribute and discuss more information than in previous years.

Thanks to Kath, Ian and Denis from BDAE for their help on the day and to all the attendees for their impressive imaginative future views!



Volunteer Denis finalising set up whilst an early attendee started imagining the future



The Stage of Fame – models of the future made during the day



Ulverston Mayor Councillor Graham Scrogam looks to the future

Lancashire Science Festival

The Lancashire Science Festival returns in May on 15-17th. Thursday and Friday are allocated to schools visits by arrangement with the organisers. Saturday the 17th is open to the public. See their website for details as they are published at www.uclan.ac.uk/lancashire-science-festival

The IET will be represented on all days and our stand will be manned by volunteers. If you can spend some time to help with this, even if it's only half a day, please get in contact. Drop an email to Bill Wilcock (bill.wilcock@ietvolunteer.org) if you need some more information or would like to volunteer.

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Social Media

Twitter: @ietlancscumbria **LinkedIn:** www.linkedin.com/groups/2179430

Local Network Affiliated Organisations

The Lancashire & Cumbria network covers a vast area with diverse interests. We attempt to include the majority of talks organised by the organisations listed below in our IET and LinkedIn pages; however some events are posted only to the local organisation's events pages.

Below is a selection of the local subgroups and contacts:

Barrow and District Association of Engineers - www.bdae.org.uk

IMechE North-West - <https://nearyou.imeche.org/near-you/UK/North-Western>

Kendal and District Engineering Society -

www.facebook.com/photo/?fbid=584696080327998&set=gm.550713739774041

Professional Engineers South Cumbria - <https://pesc.org.uk>