



Welcome to our September Bulletin

I am delighted to announce our programme for 2025-26, from Hang Gliders to Silicon Chips there is something for everyone. I am particularly pleased to have some energy themed talks looking at energy storage, hydrogen and ship fuels. I am also delighted that we will have two inductees from the Scottish Engineering Hall of Fame in our programme.

There are some details still to be added, we hope to have those details very soon.

We are enormously grateful for a legacy bequest recently left to us by a member of the Institution.

There is still time to buy your tickets for this year's James Watt Dinner, it promises to be a thoroughly enjoyable evening.

Members' Visit to RSS Discovery

A small group of members were able to join one of the much-in-demand tours of the modern RSS Discovery when the ship was in Dundee Port for just four days!

Very interesting indeed, we visited the bridge, a berth, the mess and kitchen, recreation room, laboratories and were shown sampling equipment, a glider and Boaty MacBoatface

I think we all felt we could have stayed and asked questions for many more hours.





IES
A MULTI-DISCIPLINARY
ENGINEERING INSTITUTION
FORMERLY IESIS

James Watt Dinner

FRIDAY 3RD OCTOBER 2025

18.15 FOR 19.00

RADISSON BLU HOTEL, GLASGOW



The Little Engineer who went to Orkney International Science Festival



A little note to say thank you to the Institution of Engineers in Scotland for sponsoring my trip to Orkney to speak at the Orkney International Science Festival in September this year.



Initially I was there to give a presentation in remembrance of Prof Iain MacLeod, our member who used to provide lectures and support the festival. Whilst I was there, I decided to make the most of my visit.

I arrived on Thursday, donated copies of my books to the local library, and visited the museum in Kirkwall to get a sense of the local history. I took a few pictures

of scaffolding and other Temporary Works (all the engineering we use in construction) on the way to meet IES member Professor Susan Krumdieck for dinner and discussions about her work on Carbon and Energy Transition for Remote Communities. Before heading over the road to give my presentation on Temporary Works based on the lecture I gave to the IES earlier this year.



On the Friday I visited Glatness and Papdale Primary Schools to run "The Little Engineer" sessions with 120 students. Where I give a brief presentation on being an engineer, set a challenge for them to build a temporary structure out of straws, connectors and space blankets and then we tested them. First, could my Little Engineer fit inside and then could it be blown over by flapping a book at it.



On the Saturday I held a stand at the Family Day where I set construction and drawing challenges and showed children pictures of what it's like to be an engineer. Overall about 100 children present throughout the day.

So thank you for sponsoring this trip and helping me show over 220 kids that they are little engineers who can do anything they put their mind to.

Thanks

Jemma Quin





Lecture Programme for 2025-2026

Hang glider, history of flying in Scotland for over 130 years

Angus Pinkerton

Angus will take us from wooden frames and wire-bracing to aluminium, carbon fibre and stainless steel. A fascinating history of flying and hang-gliding in Scotland!

Tuesday 23rd September 2025

In-person at 6.30pm - Registration for In Person
Online at 6.30pm – Registration for Online

The Rankine Memorial Lecture Carnot batteries and energy polygeneration

Prof Vincent Lemort

A solution to the energy storage question? Carnot Batteries are considered to be one of the most promising large-scale energy storage technologies. Vincent will tell us about his work and the possibilities for the future.

Tuesday 28th October 2025

In-person at 6.30pm - Registration for In-person
Online at 6.30pm – Registration for Online

Details to be announced

Speakers tbc

Details to be announced

Tuesday 11th November 2025

In-person at 6.30pm
Online at 6.30pm

Joint meeting with RINA

Hydrogen for the Net Zero Energy Trilemma

Nigel Holmes

This talk will highlight the use of hydrogen as a clean energy vector which complements the wider electrification of the Scottish and UK energy system, together with examples of current and planned deployments of hydrogen across Scotland.

Tuesday 9th December 2025

In-person at 6.30pm - Registration for In-person
Online at 6.30pm – Registration for Online

Joint meeting with IMarEST Sustainable Marine Propulsion with Next Generation Fuels

Paolo Tremuli

Paolo will explore the transition to green fuels in the marine industry. This presentation covers key fuel sources, including methane, methanol, ammonia, and hydrogen. He will examine how reciprocating engine technologies will adapt and the readiness of turbochargers for these alternative fuels. Paolo will conclude with insights on the industry's path towards sustainable propulsion.

Tuesday 13th January 2026, 6.30pm

Please register via the IMarEST website

Chips or not: Semiconductors in Scotland

David Milne

David will describe the semiconductor industry in Scotland from its origins in the early 1970's to the present day including of course Wolfson Microelectronics. David will then consider the impact of government policy and the need for a better Scottish economic performance.

Tuesday 10th February 2026

In-person at 6.30pm - Registration for In-person
Online at 6.30pm – Registration for Online

Shaky Foundations: The Fragility of Cybersecurity in the Modern Age

Matt Lewis

This talk will explore cybersecurity weaknesses in modern systems and through real-world examples, demonstrate how complexities and vulnerabilities in people, processes and technology combine to create opportunities for cyberattacks.

Tuesday 10th March 2026

In-person at 6.30pm - Registration for In-person
Online at 6.30pm – Registration for Online

Marlow Lecture

Details to be announced

Prof Sir Jim McDonald

Details will be announced soon

Tuesday 21st April 2026

In-person at 6.30pm
Online at 6.30pm

AGM – April 2026 – full details will be confirmed in due course

Our lectures will be hybrid events.

Our venue for lecture is a beautiful room which is very close to Queen Street train station and pretty close to Central train station and Buchanan St bus station.

Our lectures will be held at the Royal Faculty of Procurators in Glasgow (RFPG), 12 Nelson Mandela Pl, Glasgow G2 1BT

We would love to see you in person, if you can't come along please join us via Zoom – you will be very welcome!

The full details and registration (and subsequent Zoom details) can be accessed via our website www.engineers.scot/events/ies-events or via our Eventbrite page.

One more detail to note – the lectures will start at 6.30pm

