



## Message from our President

David Westmore

Dear members,

In these unprecedented times our AGM and Lecture on the 21st April 2020 have had to be postponed. Subject to an improvement in the conditions, it is the intention to reschedule the AGM for the latter part of August. We will try and reschedule the railway lecture, "What's coming down the tracks" by Alex Hynes for inclusion into our 2020/21 session.

This year's James Watt Dinner will be held on 9th Oct and once again IESIS members will be entitled to a significant discount on the ticket price.

I would also like to launch an appeal for funds to help re-instate William Rankine's gravestone which is now in a sorry state at Sighthill cemetery. The Institution undertook a similar exercise in 1951. Details of how Members can contribute to this are set out below.

In these troubled times, I hope that Members and their families will stay safe and look forward to healthier times when the membership are able to meet.

*David M. Westmore.*

## William Rankine – an Appeal

William Rankine was one of Scotland's great engineers and scientists. He was the co-founder of our own esteemed Institution. Rankine's untimely death at the age of fifty-two was greatly mourned by scientists and engineers around the world. It is sad to report that the gravestone of this great man lies broken and forgotten in Sighthill Cemetery, Glasgow.

IESIS are launching an appeal to fund the re-instatement of the stone to honour the memory of this great man and all he achieved. We would be most grateful if you could contribute a few pounds, it is hoped to carry out this work in 2020, the 200th anniversary of Rankine's birth.

Donations can be paid to IESIS, please identify with 'Rankine's Gravestone Appeal' please, or via the website where we have a donate 'button' which will link to our Paypal website

The Institution reinstated Rankine's grave in 1951 and have carried our similar philanthropic work for John Robertson (Comet) and Henry Bell (Comet)



# The Rankine Songbook

The Rankine Songbook  
A collection of humorous,  
romantic and patriotic songs  
written by Prof WJM Rankine



To mark the 200th year since Rankine's birth Andy Pearson (Vice President) has created a book of songs written by Rankine with music that was familiar at the time.

Normally £15 per copy IESIS members can purchase a copy for £10 (plus postage if required)

A larger A4 version is available please contact IESIS for details  
[iesis@btconnect.com](mailto:iesis@btconnect.com)

## Members Visits

We have postponed two visits which we had lined up for our members: a talk and visit to TS Queen Mary, and, a visit to Clansman Dynamics. We did have dates scheduled but in the light of CoVid19 we shall wait until there is more certainty before we reschedule them.



### TS Queen Mary Restoration, talk and visit

**The Talk** The Village Hotel – Pacific Quay, Cessnock, 7 Festival Gate, Glasgow G51 1DB

**The Visit** The Queen Mary, Canting Basin, Pacific Quay, Glasgow G51 1EA (next to the Tower at Glasgow Science Centre)



### A visit to Clansman Dynamics

Producer of the world's leading and largest ranges of handling manipulators and riser removal hammers.

**Clansman Dynamics,**  
Nasmyth Ave, East Kilbride,  
Glasgow G75 0QR

## Glasgow Caledonian University Prize Winners

IESIS sponsors a number of prizes at Glasgow Caledonian University and these were awarded at a ceremony on the 28th November 2019. The recipients of our 2019 Student Prizes were:

**Ross Drain** – Best Student Award – BEng(Hons) in Electrical Power Engineering (Final Year)

**Matthew Law** – Best Student Award – BEng (Hons) in Mechanical Electronic Systems Engineering (Final Year)

**Reiss Allan** – Best Student Award – BEng (Hons) in Mechanical & Power Plant Systems Engineering (Final Year)

**Christopher Lowe** – Best Student Award – BEng (Hons) Computer Aided Mechanical Engineering



The Selection Panel for the Scottish Engineering Hall of Fame held it's first meeting (online!) on 18th March in Glasgow. The group discussed nominations sent in from the public as well as those already on their 'list'.

A follow up meeting will be held in early summer to select this year's inductees.

## FemEng in Malawi



For the past four years, a team of students from the Female Engineering society, FemEng, at the University of Glasgow has travelled to Rwanda to promote engineering to children through outreach workshops and talks. After working closely with students at the University of Rwanda, we have reached over 6000 children and created a sustainable impact. As their next step, they are starting a new, exciting project, FemEng in Malawi. This project is a partnership between the University of Glasgow and the Malawi University of Science and Technology, bringing together students to find creative ways to encourage and educate more young people towards STEM fields.



The work of their previous project, FemEng in Rwanda, has been recognised within the Scottish Parliament, in national newspapers and within the University of Glasgow. Over the course of four years, the impact left by the team managed to reach over 6000 children in Rwanda. As more children were given the opportunity to learn about further education, applications to STEM subjects at the University of Rwanda have increased by over 50%. The University of Rwanda has now formed their own FemEng society, 'Future You', which is continuing to promote STEM subjects in their country.

## The Rankine 2020 Conference Advances in Cooling, Heating and Power Generation



**Rankine 2020  
Conference**  
Advances in Cooling, Heating  
and Power Generation

**Glasgow**  
**26th-29th July**  
**2020**

This conference will explore the legacy of William Rankine, looking at his ground-breaking research to see what modern engineering can learn from this great Victorian innovator. It will also look to the future and offer a forum where the disciplines of power generation, refrigeration, air conditioning, and heat pumps come together to discuss their common challenges and learn about the solutions that are being developed to tackle them. IESIS Vice President, Andy Pearson, is a lead organiser for this event.

University of Glasgow, Glasgow, Scotland

For further information please visit  
<https://ior.org.uk/events/rankine2020>



# The Watt Institution, Greenock

**The Major Refurbishment & Re-Opening of The Watt Institution (shortlisted for RIAS/ RIBA Awards 2020), Greenock by Inverclyde Council (The McLean Gallery) on Wednesday 20th November 2019**

The Opening of the refurbished McLean Museum & Art Gallery, now re-linked through to the Watt Library, and all renamed the "Watt Institution", in this the 200th Anniversary of Watt's passing, was attended by Ian Arbon, Gordon Masterton, Nina Baker, Karen Dinardo and others of IESIS.

Inverclyde Council hosted the super event, which commenced with a welcome in the Watt Institution Hall, with songs on Watt crafted and sung by local schoolchildren. The exhibition space is fresh and modern with the extremely interesting artefacts, and the "blocked up" door from years ago has been opened into the Reference Library with the superb seated Watt Statue and subtle and warm hues, textures and display items.



Everyone present was very impressed.

The Council then hosted an excellent Celebration Dinner, where special thanks to Curator Val Boa were given for her endeavours with her

colleagues, to achieve the E2M refurbishment project. Greenock Town Hall in all its splendour was revealed, with the Dinner hosted by the Provost, in the historic Masonic Hall with its Corinthian columns and stained glass windows. The Guest Speaker was Professor Colin MacInnes who presented James Watt's Impact on the Modern World in a most entertaining manner, and the Provost Brennan's humour and warmth came over to the company in his address, in which Val Boa and her colleagues were recognised.

We recommend you visit this wonderful unique asset to Greenock and enjoy the fascinating displays, library and art gallery — it's a must!

The Watt Institution, 15 Kelly Street, Greenock, PA 16 8JX.

Please see Inverclyde Council's website for more details.

Karen Dinardo

