



The Institute of Measurement & Control

, recognised by Royal Charter, is an international network of professional engineers and scientists covering the measurement, automation and control field.

We aim to promote high standards of professional competence, informing and supporting our members in their careers, as well as providing a bridge between academic research and industrial practice.

The Institute works to encourage students into the fields of engineering and science, to engage with the wider public, inform government policy and to collaborate with related organisations.



www.instmc.org

Awards Night 2019



23 October 2019
The Royal Institution

Programme

- 6.00 pm - Registration
- 6.45 pm - Introduction & Welcome
- 6.50 pm - Presentation of Awards
- 7.15 pm - Guest Lecture - Dr Ian Robinson
- 8.00 pm - Wine & Canapé Reception
- 9.00 pm - Evening Close

Guest Lecture - Dr Ian Robinson

The Ampere and the Kilogram: Past, Present and Future

The invention of the Kibble Balance in 1975 started a revolution in the world's measurement system: the SI. Initially it deposed the current balance, leading to the fixing of the 1990 conventional electrical units.

It has now reunified and extended the SI by enabling the kilogram to be redefined in terms of fundamental constants. The talk will describe these achievements and what lies in store for the future.



Dr Ian Robinson

Dr Robinson is an NPL Fellow and, over the last 43 years, has pioneered the development of the Kibble balance which underpins the redefinition of the kilogram.

He has experience in making high precision measurements of voltage, resistance, velocity, mass and free-fall acceleration "g", often using custom-built, highly-isolated, low-noise instrumentation.

Awards to be presented

Sir Harold Hartley Medal awarded to - **Dr Ian Robinson**
for outstanding contribution to the technology of measurement and control.

Honeywell International Medal awarded to - **Prof David Limebeer**
for distinguished work in control by Chartered Measurement and Control Technologists.

Callender Medal awarded to - **Mr Paul Bramley**
recognises the work of the late Professor H L Callendar and is awarded annually to an engineer or scientist who has made an outstanding contribution to the art of instruments or of measurement.

Oxburgh Medal awarded to - **Dr Richard Brown**
for contribution to measurement, instrumentation and control in the field of environmental science and engineering of outstanding merit.

Finkelstein Medal awarded to - **Prof Richard Leach**
is awarded for notable contributions to measurement internationally.

Special Service

Tallantire Award presented to - **Mr Colin Howard**
for exceptional commitment and service to the Institute and to achieving its aims and objectives.

Winners' Bios

David Limebeer

David is an Emeritus Professor at the University of Oxford. He is also a Distinguished Professor at the University of Johannesburg, and an Extraordinary Professor at the University of Pretoria.

Paul Bramley

Paul is the founder of Metrosol Limited and specialises in the development of high performance instrumentation for temperature metrology and measurement.

Richard Brown

Richard received his BSc and PhD from Imperial College London, prior to joining the National Physical Laboratory (NPL) in 2000, where he is currently Head of Metrology, with accountability for the quality of NPL's science.

Richard Leach

Richard is a Professor in manufacturing metrology at the University of Nottingham and specialises in the marriage of optical metrology with artificial intelligence.

Colin Howard

Colin has been an Institute member since 1972 and is an Honorary Fellow. He was President in 1998 and is currently Hon Treasurer and Trustee and has contributed to a wide range of activities on behalf of the Institute. Colin worked for 35 years for ICI plc in a range of instrumentation and control related roles followed by 13 years as an independent consultant in Functional Safety.