

Newsletter November 2016

In this edition, we remind you about our Awards, note our upcoming events, advise about improvements to electronic journals access and ask for your input into Materials World content.

1) Nominations sought for 2017 Awards for Personal Achievement in Polymers – Closing Date 13th January 2017

- The **Prince Philip Award** is given for polymers in the service of mankind.

Nominations are open to members and non-member individuals, companies, partnerships, associations, societies or academic institutions from any part of the world. Names and addresses of two independent referees are also required to support the nomination. This award is only made every two years as a minimum

The previous winner in 2015 was Avon Rubber with past winners being Biocompatibles UK Ltd, Vascutek Ltd and Victrex plc.

First awarded in 1977 the award was instituted to commemorate the presentation of the first Honorary Fellowship of the PRI (Plastics and Rubber Institute) to HRH the Duke of Edinburgh on 22 May 1973.

- The **Colwyn Medal** is awarded to an individual for outstanding services to the rubber industry of a scientific, technical or engineering character

Open to members and non-members. It is also expected that the winner shall prepare and deliver the Rubber Foundation Lecture.

The 2015 winner was Gert Heinrich, leader of the rubber research group at TU Dresden.

Previous Winners have been Professor Mark Warner and Dr Richard Spontak.

- For students, there is the **James S Walker Award** for a student project already examined, on the subject of polymers.

The **closing date** for receipt of nominations by IOM3 is **13th January 2017** and should be made at <http://www.iom3.org/nominations> where further information is also available.

2) Plastics – The Future, Updates and Recent Developments, 28th November 2016 at Lancashire County Cricket Club.

In conjunction with the Polymer Society, Manchester Polymer Group's next annual plastics seminar will focus on the latest developments and updates in the plastics sector.

The Polymer Society

A Division of the Institute of Materials, Minerals and Mining

- Keynote Paper from Stuart Patrick FIMMM MRSC delivering the Swinburne Lecture 'A Lifetime in PVC and Plastics – What I have Learnt'

In addition to his national and local roles in the IOM3 Polymer Society and Manchester Polymer Group, Stuart Patrick has spent his lifetime in PVC and Plastics in industry and as Chair of the organising committee of the successful Brighton conference. As a Greater Manchester STEM Ambassador, he also has a passion for reminding school pupils and their teachers about the benefits that plastic bring to society.

He will be passing on his experiences, both good and not so good, in a reasoned and scientific defence and promotion of PVC and Plastics to a world of sound bites and anti plastic rhetoric.

The IOM3 Swinburne Award recognises the achievement of a person who has made an outstanding contribution to the advancement and knowledge of any field related to the science, engineering or technology of plastics.

- The following Sessions will cover ***Polymers – Enhancement and High Performance, Sustainability – 3 R's (REACH, Recycling, Renewable), Testing and Industry Support Opportunities***

Full programme and registration details www.iom3.org/manchester-polymer-group/event/plastics-future-updates-and-recent-developments

Or contact Bryan Denson, Chairman, Manchester Polymer Group. The Swinburne Lecture is free to attend but registration is required.

E-mail address: bryan.denson@homecall.co.uk Mobile: 07741488043

3) Innovations in Rubber Design, 7-8th December 2016 at Hamilton Place, London

This two-day conference presents 27 papers and 20+ posters covering:

- Smart Materials
- Modelling
- Measurement Innovations
- Fatigue Life and Ageing
- Compounding
- The Circular Economy

The programme also features the 2016 Rubber Foundation Lecture: "A Constitutive Tube Model of Rubber Elasticity: The Path from Polymer Network to the Rubber Component," by Prof. Gert Heinrich (Leibniz-Institut für Polymerforschung, Dresden)

Full details

www.iom3.org/rubber-engineering-group/event/innovations-rubber-design

4) Developments in electronic access to journals for IOM3 members

Management of our journal publishing activity changed in the mid-2015 as the business of Maney Ltd was acquired by Taylor & Francis Group, an important and significant business within the global technology publishing arena.

The publishing activity of IOM3 has been seamlessly transferred to Taylor & Francis stewardship, and during the last year, this change of ownership has provided new opportunities both for IOM3 and its members. The new relationship is working well, and by the start of 2017, will deliver a major change to electronic journal access. Effectively, all IOM3 members, at all grades, will have access to almost 80 additional journal titles in the Taylor & Francis materials science collection, providing a threefold increase in available journal content. New specific areas of coverage will include nanotechnology, biomaterials and adhesion, together with a much broader range of titles for minerals, wood, surface engineering and other materials disciplines.

Members will continue to have full electronic access to the IOM3 portfolio of journals. In addition, members will also be able to purchase books published by CRC Press (the books division of the Taylor & Francis Group) at a special discounted rate.

The new access capabilities will be embodied within individual members' subscription fee and will be accessible via the IOM3 website. The secure members-only publications area of the IOM3 website will be developed during the latter part of 2016 and wider electronic journal access and books discount launched by the start of 2017.

5) Materials World – Your Chance to Contribute for 2017

We regularly hear the comments that there is insufficient content about Plastics and Rubber in MW, so now's your chance to remedy that situation. Please consider proposing a topic to suit this Editorial Schedule where we have identified potentially relevant areas for our community. Deadlines are 6 weeks prior to publication for News items and 8 weeks prior for Articles.

May

The Natural World - Natural materials, recycling, packaging, construction, biomass, sustainability, waste, extractive industry, renewables, circular economy.

Injection Moulding - Plastic, glasses, elastomers, confections, thermoplastics.

Skills Gap - Building professional development, promoting STEM, education and training

July

Analysis & Testing - Modelling, non-destructive testing, design, innovation, aerospace, automotive, engineering, chemistry, nanotechnology, processing

Additive Manufacturing - Material jetting, material extrusion, powder bed fusion,

Chartership & Membership - Retaining membership, getting registered, benefits, career progression

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August

Recreation - Sports science, electronics, surface engineering, nanotechnology, light weighting, composites, polymers, advanced and functional materials

Automation - Discrete control, continuous control, open and closed loop, computer control.

September

Industrial Materials - Iron and steel, light metals, rare earths, heavy clay, polymers, composites, high-temperature materials, surface engineering

Analysis & Microscopy - Surface analysis, particle analysis and testing, microscopy for metals, polymer microscopy, medical devices microscopy, microscopy analysis techniques.

Funding R&D - Gaining grant, sponsorship, EU funding, science for Britain

October

Materials & Modelling - Nanotechnology, design, advanced and functional materials, biomedicine, additive manufacture, polymers, electronics, packaging, CAD

Testing & Inspection - Non-destructive, radiographic inspection, ultrasonic testing, visual inspection, hardness testing, magnetic particle inspection.

November

Security - Ceramics, metals, engineering, nuclear, aerospace, automotive, non-destructive testing, electronics, construction materials

Injection Moulding - Plastic, glasses, elastomers, confections, thermoplastics.

Management & Appraisals - 360 appraisals, employee performance, leadership vs management

December

Low Carbon - Nuclear, energy, CCS, renewables, energy efficiency, circular economy, sustainability, waste, recycling, energy from waste, synthetic materials

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