



President's update



As you can imagine a major focus for me this month has been the Medical Physics and Engineering Conference in Manchester, the European City of Science for 2016, which was attended by almost 300 delegates.

I thought the conference was excellent and would like to thank the organising committee and the conference team in the national office for arranging such a successful event.

Dr Stephanie Snow opened the conference, and the first MPEC Members' Day, with a presentation on 'Manchester science and medicine in historical perspective'. An important take-home message for

me was Dr Snow's reply to a question: 'What is the single most important lesson we can learn from science history?' which was a resounding and simple 'collaboration'. This really resonates with me and reinforces how breaking down silos at all levels and working together is essential to develop 'Science for patient benefit', the theme of this year's MPEC. There was also a birthday party during the conference to celebrate 60 years of publishing PMB attended by the Lord Mayor of the City of Manchester, Councillor Carl Austin-Behan.

Another highlight was the conclusion of the trainee network IPEM mug competition! The mug is a simple but effective method of raising visibility of our professions in the workplace and I highly recommend them.

I also attended the inauguration of the new President of the British Institute of Radiology, Andy Rogers, who is also an IPEM member. I'd like to offer him my congratulations and every success in his Presidency.

How IPEM is working for you

Ethical investment

During the Question Time session at the Members' Day at MPEC, audience members asked about IPEM's investment strategy. IPEM uses CCLA, which provides ethical and responsible investment for charities, religious organisations and the public sector. More [here](#).

Professional Conduct Committee vacancies

There are a number of vacancies on the Professional Conduct Committee which members are invited to apply for. More [here](#).

International Day of Medical Physics

The fourth International Day of Medical Physics (IDMP) is being marked on Monday 7 November and the theme this year is Education in Medical Physics: The Key to Success. More on IDMP [here](#). IPEM will be supporting IDMP and it would be good if you could add your support. A great way to do this would be to back the Science for Patient Benefit campaign, which was launched earlier this year. You can request posters, lanyards and pens - more [here](#). We will be tweeting about IDMP so please let us know what you are doing to help show your support by contactng: communications@ipem.ac.uk.

IPEM Latest

[Response to Scottish Government consultation on the introduction of the UK Apprenticeship Levy](#)

[Response to Welsh Assembly consultation on the sustainability of the health and social care workforce](#)

[Gold Medal prizes and awards winners](#)

[PMB webinars](#)

Conferences

[Annual Clinical and Scientific Computing Symposium on 2 November, Birmingham](#)

[Diffusion MRI on 7 November, London](#)

[Northern Regional Meeting on 17 November, York](#)

[more 2016 conferences](#)

External events & activities

[NIHR Brain Injury Healthcare Technology Co-operative – Seedcorn Funding Competition](#)

[ROC and RCR announcement on conferences](#)

Design a Mug winners at MPEC



Part of the Science for Patient Benefit campaign was to design a mug and the winner and runners-up were on display at MPEC.

Congratulations go to Elizabeth Kapasa, a postgraduate researcher/PhD student at the White Rose Doctoral Training Centre in Tissue Engineering and Regenerative Medicine at the University of Leeds for her winning design 'Unmasking the hidden heroes of healthcare'. She won a year's supply of Yorkshire Tea.

Well done to runners-up Greg Jolliffe, a radiotherapy physicist at Nottingham City Hospital for his 'Batman' design; Kate Elliott, first year trainee clinical scientist at the Mount Vernon Cancer Centre, for her 'Don't worry...' design; and Richard Harbron, a Research Associate from the Sir James Spence Institute at Newcastle University/Royal Victoria Infirmary Newcastle for his 'Filtered back-projection used in computed tomography' design.

The mugs can now be bought for £5.00 plus P&P. To order please call the IPEM office on 01904 610821.

IPEM at first European Congress of Medical Physics

The first European Congress of Medical Physics was held in Athens at the start of September. Organised by the European Federation of Organisations for Medical Physics, a number of IPEM members, including IPEM President Professor David Brettle, attended the congress, and IPEM also had an exhibition stand there, to make European and international delegates aware of the work we do. See more [here](#) and to read IPEM representative Graham Hart's report, click [here](#).

Brexit latest

IPEM members have recently attended two important discussion forums following the Brexit vote. IPEM's out-going Vice President External Anna Barnes attended an event entitled 'How Scientists should cope with Brexit' at Portcullis House, where the key speaker was George Freeman MP, who is Chair of the Prime Minister's Policy Board. We also attended a special Science Council [summit](#) on the 'Science Profession post-Brexit'.

A [statement](#) has also been sent from IPEM to the European Alliance for Medical and Biological Engineering and Science (EAMBES), setting out IPEM's commitment to continued cooperation with scientists across Europe and beyond.

IPEM is also part of the Royal Academy of Engineering-led 'Europe project' to identify and mitigate the impact of Brexit on the engineering profession.

BIR/IPEM presentation to the Parliamentary Scientific Committee

A joint presentation by the British Institute of Radiology and IPEM is taking place on Monday 10 October to the influential Parliamentary Scientific Committee at Portcullis House entitled 'Radiotherapy: Cancer Treatment of the past or future?'. This includes a presentation by IPEM Fellow Professor Andy Beavis. IPEM's Chief Executive Rosemary Cook, IPEM President Professor David Brettle, and the Chair of IPEM's RT-SIG, Dr David Eaton, are amongst those due to attend this event.

Workforce Intelligence Unit (WIU)

The WIU has been looking at the ultrasound workforce dataset this month. Some 35 groups responded, representing around 40% of diagnostic radiology and non-ionising physics services. Just 13.06 Clinical Scientist WTE of Ultrasound activity was identified, and 38.3 WTE of technologist activity. This WTE was provided by 85 individuals, with the average WTE/individual being very low. Many respondents felt the value of ultrasound physics support is not recognised, despite, in some areas,

[Nominations required for European Examination Board for Medical Physicists](#)

[Global Clinical Engineers Day](#)

[ESMPE Imaging in Radiotherapy course](#)

[Tomorrow's Engineers Week](#)

[Professional Qualifications Directive](#)

[Medical Technologies: Apply for translational proof-of-concept funding](#)

IPEM Journals Pick of the Month

[Physics in Medicine and Biology](#)

[Proposed helmet PET geometries with add-on detectors for high sensitivity brain imaging](#)

[Physiological Measurement](#)

[Evaluation of the fetal QT interval using non-invasive fetal ECG technology](#)

[Medical Engineering and Physics](#)

[In vivo tissue interaction between the transverse carpal ligament and finger flexor tendons](#)



Free Management Training Resources for Members

activity increasing significantly. In a circular situation, there are few opportunities, thus few opt to specialise in ultrasound. IPEM will now consider how best to raise the importance and profile of physics input into ultrasound, both in terms of QA and in terms of technique and protocol development.

And finally...

MEP Reviews Editor

Medical Engineering and Physics is looking for a Reviews Editor to work with the editorial team. The journal provides a forum for the publication of the latest developments in biomedical engineering, and reflects the essential multidisciplinary nature of the subject. More [here](#).

Shahed scales the heights for a good cause



Amateur climber and IPEM member Shahed Khan has scaled the highest peak in Europe to raise money for charity. Shahed recently returned from an expedition to climb Mount Elbrus, which forms part of the Caucasus mountain range in southern Russia. At 18,510 feet, Elbrus is the highest mountain in Europe. So far he has raised £740 out of his target of £1,000 for the Anthony Nolan Leukaemia Trust. To support Shahed's fundraising effort, click [here](#).



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