



President's Update

IPEM President David Brettle has been unwell since the end of April and may not be returning to IPEM duties until July.

Professor Peter Hoskins, President Elect, will be Acting President with immediate effect until David's return, with other Officers and Trustees also fulfilling some of the President's other commitments. We all wish David a speedy recovery.

Launch of the Science for Patient Benefit campaign

The first major campaign to be undertaken by IPEM is to be launched next month. Our annual members' conference MPEC is this year entitled 'Science for Patient Benefit' and it is this theme which is the centrepiece of the campaign - and which we hope you will get involved in.

As members, you already know what a crucial role you have in helping to deliver modern healthcare to patients. The aim of the campaign is to really inform people about the vital role you play in their treatment and care, and also let other colleagues know, who might take for granted the work you do. The key message of the campaign is a simple one – without physics and engineering there would be no modern healthcare.

The campaign is to be officially launched at the end of June at St James's University Hospital in Leeds and a whole range of materials to support it have been produced, including posters, banners, lanyards and pens, and they will be available to you for use in your workplace.

We hope you will wholeheartedly support this campaign, which IPEM President David Brettle and Acting President Professor Peter Hoskins both passionately endorse.

For a preview of the campaign poster, [please click here](#).

How IPEM is working for you

Consultation responses

Thank you to all IPEM committee members who have given their valuable input to help respond to a number of important consultations recently, including from the Parliamentary Science and Technology Committee, NHS England and the Wakeham Review. For IPEM's responses, [please click here](#).

RCT Physics Equivalence Route

We are very pleased to announce that after extensive piloting, the Register of Clinical Technologists Physics Equivalence Route has now been launched, following the Engineering Equivalence Route, which was launched in 2015. The Physics Scope of Practice covers the following areas: nuclear medicine, radiation physics, and radiotherapy physics. The Equivalence Route is designed to enable technologists not eligible to join the RCT via the other established routes to achieve registration. Full details of how to apply via this route are outlined on the [RCT website](#).

Prizes and awards

The Prizes and Awards Advisory Group has recently reviewed the prizes

IPEM Latest

[COMARE 16 Report: Response to the review of radiation dose issues from CT scans](#)

[IPEM lecture at York Festival of Ideas](#)

[Poster prize for IPEM members at European conference](#)

[IPEM Board and Committee vacancies: Deadline 31 May](#)

[Understanding unconscious bias](#)

[Nuclear Medicine SIG update](#)

[Last chance to enter the Design a Mug Competition by 31 May #scienceforpatientbenefit](#)

Trainee News

[IPEM Trainee Network needs you!](#)

[IUPAP Young Scientist Award in Medical Physics](#)

Conferences

[MPEC 2016: Special edition newsletter coming soon!](#)

[Quantitative Nuclear Medicine 7 October, York](#)

[Current issues in fluoroscopy and ..](#)

and awards to ensure they reflect IPEM's changing membership and include NHS, independent healthcare providers, industry and academic members. There is now a range of awards based on experience from student, young investigator to senior (gold medal) awards.

Congratulations go to the following IPEM members who have received grants recently:

Conference and Course grants: Hazel McCallum, Freeman Hospital, Newcastle Upon Tyne; Ewan Eadie, Ninewells Hospital, Dundee; Lesley Grattan, Forster Green Hospital Belfast; Kumar Ramnarine, Leicester Royal Infirmary.

Student and Trainee grants: Matthieu Ruthven, St Bartholomew's Hospital, London; Todd Burton, Institute of Bioengineering, University of Edinburgh; Nathan Dickinson, City Hospital, Nottingham; David Randall, Royal Hallamshire Hospital, Sheffield.

Please visit the [prizes and awards](#) section of the IPEM website for full details on how to apply or nominate. Deadline for many is **31 May**.

MPEC Manchester 2016

A special edition newsletter all about MPEC 2016 will be coming out very soon, packed with lots of information about what you can expect this year. In the meantime, there is still just time to submit your questions to the special members' Question Time session. But be quick - you only have until **31 May** to submit your question, either via twitter (@ipemnews) or email to conferences@ipem.ac.uk. You do need to be [registered](#) for the free Members' day on Monday 12 September in Manchester, to get your question heard!

MPEC 2016



Workforce Intelligence Unit (WIU)

The ultrasound workforce survey is now out and it has been emailed directly to an ultrasound contact in each Trust or Health Board where IPEM are aware of a contact and to the relevant Head of Radiology Physics where we are not.

If you would like to contribute data and have not been sent a survey, a general access link is available [here](#).

An updated version of the position statement on the radiotherapy physics workforce is in preparation, based on the data from the 2015 workforce census. This should be available by next month.

The PET/CT landscape survey has been completed. The PET/CT imaging environment has grown rapidly in the last few years and has also developed to move beyond FDG oncology PET. The results of this survey will help IPEM understand the current PET environment so that we can help support members professionally, and help with their education through the organisation of courses, workshops and educational sessions. It also provides IPEM with a snapshot of PET imaging to understand the current position and how this might change with the roll-out of national procurement. A report with the details will be available in the next month.

Physics in Medicine and Biology 60th anniversary

This year is the 60th anniversary of Physics in Medicine and Biology (PMB), published by IOP Publishing on behalf of IPEM.

To mark the occasion, a free, half-day symposium is being held in the Great Hall at Imperial College, London, on **30 June**. The symposium, which is part of the ICCR 2016 conference, will include talks on the history and future of medical physics and broad perspective talks on the key advances and hot topics in both therapy and imaging physics, as well as the intersection of the two.

To register for the symposium, please click [here](#).

Please note that while the symposium is free to attend, it does not give

[12 October, Birmingham](#)

[more 2016 conferences](#)

External events & activities

[Free Sense About Science media workshop, 24 June](#)

[Become a Science Council assessor](#)

[National Women in Engineering Day, 23 June](#)

[WISE Awards 2016](#)

[Nominations open for the 2016 John Maddox Prize for Standing up for Science](#)

[New issue of the IOMP journal Medical Physics International](#)

IPEM Journals Pick of the Month

[Physiological Measurement Causality in physiological signals](#)

Physics in Medicine and Biology

[Magnetic particle spectroscopy allows precise quantification of nanoparticles after passage through human brain microvascular endothelial cells](#)

Medical Engineering and Physics

[The contact mechanics and occurrence of edge loading in modular metal-on-polyethylene total hip replacement during daily activities](#)

access to the rest of the ICCR conference.

In addition, there is now a special 60th anniversary edition of PMB available. The Editorial Board and International Advisory Boards of the journal have selected just 25 out of the thousands of important works published in PMB they felt have had a particular impact on the development of the field. This special collection is now available [online](#).



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