
Friday 23 March 2012
10.00am - 5.00pm

Location: The Best Western Premier QUEEN HOTEL
City Road, Chester CH1 3AH
(opposite Chester Railway Station)

Contact: jo.mitchell@bangor.ac.uk
Tel: 01248 38 8244

www.medical-imaging.org.uk

Advanced Medical Imaging and Visualisation Unit
c/o Bangor University, School of Computer Science, Bangor, Gwynedd, LL57 1UT
In November 2011, the Department of Health issued a best practice guide:

"Framework for Technology Enhanced Learning"

Its purpose is to help commissioners and providers of health and social care deliver high quality, cost effective education, training and continuous development to the workforce for the benefit of patients through the effective use of technology as part of a blended learning process. New visual computing technologies are identified as a part of the solution to implementing this framework.

In this one day workshop we will use recent developments in Wales as a case study to highlight how some of this technology can be deployed and used to provide effective learning and improve patient safety. Through a mixture of presentations and break out discussions, we will aim to identify any gaps and bottlenecks that inhibit the implementation of the Framework in today's NHS environment. An important output from the day will be to document a response to the Department of Health's report. A cross disciplinary audience involving both clinicians and technical experts are being invited to participate.

Friday 23rd March 2012
Queen Hotel, City Rd, Chester CH1 3AH

10.00am - 5.00pm
Registration 10.00am-10.30am
Lunch and refreshments included

Train arrival times into Chester from:

<table>
<thead>
<tr>
<th>Location</th>
<th>Depart - Arrive</th>
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<tbody>
<tr>
<td>BANGOR North Wales</td>
<td>08.21 - 09.23</td>
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<td>09.02 - 10.15</td>
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<tr>
<td>CARDIFF</td>
<td>06.50 - 10.10</td>
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<td>07.21 - 10.19</td>
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<td>LIVERPOOL</td>
<td>09.13 - 09.57</td>
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<td>09.28 - 10.11</td>
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<td>LONDON</td>
<td>07.12 - 09.12</td>
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<td>MANCHESTER</td>
<td>08.30 - 09.46</td>
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<td>08.50 - 09.53</td>
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Directions:
By Rail
The Queen Hotel is directly across from Chester Railway Station.

By Road
Leave the M53 at A56 junction. Go straight on at Hoole roundabout, turn left at the main traffic lights heading for Chester Railway Station. Straight across at mini roundabout facing Station for the Hotel car park.

The Hotel is directly across from Chester Railway Station. If approaching from any other route, just follow the signs for Chester Railway Station.

Parking
Private parking is possible on site (reservation is not possible) charges are applicable.
Dr Stuart Carney  
‘Framework for Technology Enhanced Learning’

Senior Clinical Advisor, Medical Education and Training Programme, Department of Health (England); and Deputy National Director of the UK Foundation Programme Office;

A graduate of Edinburgh University Medical School and the Harvard University School of Public Health, Stuart trained in Psychiatry at Oxford. He has been involved in postgraduate medical education for the last 7 years. Appointed to the Department of Health in 2004, he helped to manage the implementation of reforms to the first two years of postgraduate training and also served as Foundation School Director in the South of the East Midlands. Since 2008, as Deputy National Director, he has lead the delivery of the Foundation Programme Curriculum across the UK and Malta and championed the provision of academic training opportunities for those considering a career in research, management or teaching. Most recently, he chaired the Technology Enhanced Learning Framework Development group on behalf of the Chief Medical Officer (England).

Prof Michael Rees

Michael is Professor of Cardiovascular Studies at Bangor University. Michael's clinical specialty is cardiovascular disease, he was the first consultant in North Wales to offer a coronary angioplasty service and he holds a CCT in Nuclear Medicine and Radiology having built up a cardiac imaging service in North Wales. Currently President of the European Society of Cardiac Radiology (ESCR), Michael has been instrumental in the Society’s development over the last decade. The ESCR sets out the education and training requirements for Cardiac Radiology in Europe. For the last 5 years, Michael has been elected Chair of the BMA Academic Staff Committee. Michael was awarded the BMA Medal for services to academic medicine. He sits on the Clinical Academic Careers Panel and has acted as lead for the introduction of clinical academic training in Wales.

Prof Andy Beavis

"VERT: from research to commercial product; Training for yesterday's tomorrows"

Prof Andrew Beavis has worked in the NHS, as a clinical Radiotherapy Physicist, since 1992 having gained a PhD at Newcastle University in Solid State Physics. He is founder and CSO of a company, Vertual Ltd, created to provide VR training tools.

He is a Consultant Medical Physicist and Head of Radiation Physics for the Hull and East Yorkshire Hospitals NHS Trust, based at the exciting new Castle Hill Hospital in Cottingham, Hull. He holds several honorary positions reflecting his contribution at various academic institutions. These are: Visiting Professor at Sheffield Hallam University, Hon Professor at the University of Hull and Hon Senior Reader at The Hull-York Medical School.
guest speakers

Professor Nazar Amso

Professor Amso qualified (MB ChB) in Baghdad, Iraq in 1974 and since 1980 he has lived and worked in the UK. Professor Amso obtained the membership of the Royal College of Obstetricians and Gynaecologists in 1985 and subsequently a PhD from London University in 1996 following research in reproductive medicine. Since 1998, he has been a Senior Lecturer at the University of Wales College of Medicine and latterly, at the Wales College of Medicine, Cardiff University, contributing to research, medical education and clinical services. He has been a Fellow of the Royal College of Obstetricians and Gynaecologists since 1999 and Founding Fellow of the Higher Education Academy since its formation.

Dr John McAdoo

“Medical Education and Technology an Irish Perspective”

Dr John McAdoo is Medical Director of the ASSET Centre at the University College of Cork, Ireland (UCC) which is the simulation centre. Immediate past President, College of Anaesthetists Ireland 2006-2009. Dr McAdoo is currently Council Member of the Irish Medical Council and has been medical member of the Executive Management Board of the Cork University Hospital for three years and Chairman of the Department of Anaesthesia Cork University Hospital for nine years. Dr McAdoo’s special interests are medical education, medical management, patient safety and competence assurance.

Dr Fernando Bello

'Innovation in Simulation and TEL - Inflatable Igloos, Flexible Tubes, Fingers and XML Parsers.'

Fernando Bello is a Senior Lecturer in Surgical Graphics & Computing in the Department of Surgery and Cancer at Imperial College London. His main research interests are in modelling and simulation, medical virtual environments and haptic interaction. His research in the area of simulation in healthcare spans across technology and education, including development of patient specific simulation, e-learning applications for a number of surgical procedures, and exploring the integration of simulation and context. He has published widely in technological as well as medical and educational journals, and serves as a referee for a number of international journals and national research organizations. Dr Bello is co-director of Imperial’s MSc in Surgical Technology and is also involved in the Masters in Education in Surgical Education.
The Advanced Medical Imaging and Visualisation Unit was established in 2011 and is one of three Biomedical Research Units funded by the Welsh Government's National Institute for Social Care and Health Research (NISCHR). It is a partnership between the Research Institute of Visual Computing (RIVIC), the NHS in Wales and Aberystwyth, Bangor, Cardiff and Swansea Universities. The Unit employs a team of eight research officers to work on projects where imaging and visualisation technologies can provide added value to medical applications. Contact us if you have a problem that you think we can help solve!

www.medical-imaging.org.uk
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01248 38 8244
Bangor and Cardiff Universities have established the ‘Strategic Health Alliance for Research and Education’ (SHARE) project in order to improve the development of the health professions in partnership between North and South Wales whilst continuing to grow the successful collaborative research capabilities of both institutions.

**SHARE**

Visual computing represents one of the most challenging and inspiring arenas in computer science. Today, fifty per cent of content on the internet is in the form of visual data and information, and more than fifty per cent of the neurons in the human brain are used in visual perception and reasoning.

**RIVIC**

Research Institute of Visual Computing

www.rivic.org.uk

**RIVIC** is the collaborative amalgamation of research programmes between the computer science departments in Aberystwyth, Bangor, Cardiff and Swansea Universities.
Booking is essential for catering purposes
To reserve your free place please contact:

jo.mitchell@bangor.ac.uk

Direct line: 01248 38 8244