

08:15 – 08:50	Registration	
08:50 – 09:00	Welcome address & official opening of the 3 <sup>rd</sup> IAPM Annual Scientific Meeting, Saturday 26 <sup>th</sup> May 2012	
<b>Session 1</b>	<b>Plenary session</b>	
09:00 – 09:45	<i>Keynote speaker: Patient specific carcinogenic risks in CT</i> Professor Walter Huda, Department of Radiology and Radiological Science, Medical University of South Carolina, USA	
09:45 – 10:30	<i>Keynote speaker: Rapid Learning Approach for Decision Support Systems</i> Dr. Andre Dekker, Head of Knowledge Engineering, Maastric Clinic, Maastricht, The Netherlands	
10:30 – 11:00	Tea/Coffee & Exhibition	
<b>Session 2</b>	<b>Parallel scientific sessions</b>	
11:00 – 11:15	<i>Characterisation of the Colour Doppler “Twinkle” Artefact</i> Deirdre Cassidy, Institute of Cardiovascular Research, University of Dundee, UK	<i>Introduction of IPEM code of practice for determination of reference air kerma rate for HDR 192Ir brachytherapy sources based on the NPL air kerma standard</i> Eamonn Hayes, Cork University Hospital
11:15 – 11:30	<i>Evaluation of CIRS String Doppler phantom as a test tool for use in a Doppler Ultrasound Quality Assurance program</i> Jacinta Browne, Dublin Institute of Technology	<i>Unravelling Dose Prescription methods in Prostate Seed Brachytherapy</i> Margaret Moore, University Hospital Galway
11:30 – 11:45	<i>Ultrasound Quality Assurance – getting the users involved</i> Aoife O’Brien, University Hospital Galway	<i>Invited speaker: Permanent prostate brachytherapy at the Royal Berkshire Hospital and implications of IPEM Report No. 106</i> Andrew Doggart, Royal Berkshire Hospital, Reading, Surrey, UK
11:45 – 12:00	<i>Advanced Neuro-imaging for Pre-surgical Planning: Implementation Challenges</i> Christina Simoes-Franklin, Beaumont Hospital, Dublin	
12:00 – 12:15	<i>Effect on diagnostic image quality of 3D warping registration algorithms for MR angiography in the lower legs</i> Andrew Fagan, St. James’s Hospital/Trinity College Dublin	<i>Dose build up effects of Med-Tec Carbon Fibre couch insert used in MV photon beams: Treatment Planning System vs. Monte Carlo and Ion-Chamber measurements</i> R.B. Ezhilalan, Cork University Hospital
12:15 – 12:30	<i>Paediatric CT - The DRL Challenge</i> Colm Saidlear, Children’s University Hospital, Dublin	<i>Initial experience of Gafchromic EBT2® film for in vivo dosimetry in electron beam radiotherapy and its practical application in the clinic</i> Amanda Barry, UPMC Whitfield Cancer Centre, Waterford
12:30 – 12:45	<i>Characterising CT Automatic Exposure Control Systems using a CeLT Phantom</i> David Costello, Mater Misericordiae University Hospital, Dublin	<i>On the use of the <math>\gamma</math> function in a scientific context and the development of an in-house <math>\gamma</math> analysis software tool</i> Daniel O’Brien, St. Luke’s Radiation Oncology Network, Dublin
12:45 – 13:30	Lunch & Exhibition	
13:30 – 14:00	<b>Poster Session</b>	
<b>Session 3</b>	<b>Parallel scientific sessions</b>	
14:00 – 14:15	<i>A Headband Dosemeter for Measuring Occupational Radiation Dose to the Lens of the Eye in Terms of Hp(3)</i> Phil Gilvin, Health Protection Agency, UK	<i>A source occlusion independent method for reporting small field output factors</i> Daniel O’Brien, St. Luke’s Radiation Oncology Network, Dublin
14:15 – 14:30	<i>Case Study of Eye Doses Encountered in a Busy Interventional Cardiology Practice across Multiple Facilities</i> Paddy Gilligan, Mater Private Hospital, Dublin	<i>Patient Specific QA for Rapidarc</i> Sinéad Keogh, St. Luke’s Radiation Oncology Network, Dublin
14:30 – 14:45	<i>Scatter Radiation Intensities about Full Field Digital Mammography (FFDM) Units</i> Michael Judge, National University of Ireland Galway	<i>Effect of Calibration Depth on a 2D Array IMRT QA system</i> David Rajasekar, University Hospital Galway
14:45 – 15:00	<i>A Novel Application of Benford’s Law for Patient Radiation Dose Monitoring</i> Seán Cournane, St. James’s Hospital, Dublin	<i>Invited speaker: Large scale implementation of EPID dosimetry</i> Dr. Andre Dekker, Head of Knowledge Engineering, Maastric Clinic, Maastricht, The Netherlands
15:00 – 15:15	<i>A review of the First Five Years of Dental R.P.A. service provision in Ireland</i> Paddy Gilligan, Mater Private Hospital, Dublin	
15:15 – 15:45	Tea/Coffee & Exhibition	
<b>Session 4</b>	<b>Plenary session</b>	
15:45 – 15:50	<i>The Young Investigator Grant (YIG):</i> Dr. Christoph Kleefeld, Convenor, Research and Education SIG, IAPM	
15:50 – 16:05	<i>YIG 2011 winner 1: The development of a breast ultrasound contrast detail and an anechoic target phantom,</i> Seán Cournane, St. James’s Hospital, Dublin	
16:05 – 16:20	<i>YIG 2011 winner 2: Investigation of the effect of filtration on image quality in paediatric radiology,</i> Lynn Gaynor, Mater Misericordiae University Hospital, Dublin	
16:20 – 16:40	<i>Invited speaker: Is it now time to replace one hour lectures with a handful of “nuggets”?</i> Professor Walter Huda, Department of Radiology and Radiological Science, Medical University of South Carolina, USA	
16:40 – 17:00	<i>Invited speaker: Nuclear accidents</i> Dr. Michael Casey, St. Vincent’s Hospital, Dublin	
17:00	<b>Close of Meeting</b>	
19:30	Conference Dinner, presentation of prizes and gifts	