

## SCIENTIFIC PROGRAMME – SATURDAY, 28 MARCH 2026

8:30 *Registration – Main Foyer*

### PLENARY SESSION

INIS MOR SUITE

CHAIR: ANNA-MAY WOODS

9:00 President's Welcome Anna-May Woods

9:05 GUEST LECTURE  
Radiopharmaceuticals and Theranostics (Working Title) Dr Austin Craig

9:35 GUEST LECTURE  
Margin Recipes for Advanced Radiotherapy (Working Title) Prof Marcel Van Herk

10:15 *Coffee Break*

### POSTER EXHIBITION

### DIAGNOSTIC PARALLEL SESSION

INIS MOR SUITE 2

CHAIR: TBD

11:00 CT-DImQ\_SSIM: An open-access platform for Structural Similarity Index Measure (SSIM) evaluation in CT - Application to anthropomorphic phantoms and AI vs iterative reconstruction Ainur Kazhybekova

11:10 Global Mammography QC Initiative: Findings from an IAEA Coordinated Research Project incorporating Irish Data Elizabeth Keavey

11:20 Digital phantom assessment of MRI quantitative susceptibility mapping (QSM) reconstruction pipeline Alan Stone

11:30 First experiences of a PET Radiopharmaceutical Dispenser: Lessons learned in Radiation Safety, QA, and Workflow. Dean McCarthy

11:40 An Image Quality Assessment of Contrast Agents used for Hysterosalpingograms Dara O'Gallchobhair

11:50 Investigation of the Feasibility of 3D-Printed Phantoms for the Analysis of Dopamine Transport Scans in the diagnosis of Parkinsons and Related Disorders Jacob Andriessen

<b>12:00</b>	Theoretical and experimental characterisation of thermal changes induced by High Intensity Focused Ultrasound (HIFU) fields	Antonio Marzoa
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## RADIOTHERAPY PARALLEL SESSION

INIS MOR SUITE 3

CHAIR: TBD

<b>11:00</b>	Influence of dose-per-pulse and pulse repetition frequency on in vitro cell survival under conventional and ultra-high (FLASH) dose rates	Oran McElligott
<b>11:10</b>	Assessing the vendor provided field passing criteria for the IQM fluence detector for VMAT PSQA.	Dion Conlon
<b>11:20</b>	Derivation of Prostate PTV Margins Using Image Guidance and Deformable Dose Accumulation	Beacon Hospital
<b>11:30</b>	A Phantom-Based Feasibility Study on the Use of Quantitative Surface Topography Metrics to Optimise SGRT ROI Selection.	Paul O'Connor
<b>11:40</b>	Pulmonary vein-sparing radiotherapy in locally advanced non-small cell lung cancer: a feasibility study	Fereshteh Gholami
<b>11:50</b>	National Intercomparison of Re-irradiation (reRT) Techniques	Lucy Griffiths
<b>12:00</b>	Advancing Pancreas SABR: Dosimetric and Efficiency Comparison of RapidArc Dynamic vs Standard VMAT	Beacon Hospital

**12:15** *Lunch Break*

**POSTER EXHIBITION**

## AFTERNOON PLENARY SESSION

CHAIR: TBD

INIS MOR SUITE

### XIEL BURSARY

*Open to IAPM trainee/student member or member with < 2 years' experience. This year's theme: "Advances of science in medical physics that directly benefit the patient pathway".*

<b>13:15</b>	Film-Based Single-Point Dosimetry for Routine QA of COMS Ophthalmic Applicators: Experimental and Monte Carlo Validation	Evan Keane
<b>13:18</b>	A TPS-Independent Framework for Automated Lattice Radiotherapy Planning	Luca Mulcahy
<b>13:21</b>	Clinical Verification of the Dose Delivered in an X-ray Blood Irradiator Using a 3D Printed Phantom	Austin Stricker
<b>13:24</b>	Complex-Valued Magnetic Resonance Dictionary Matching for Simultaneous Estimation of Magnetic Field Perturbations and Transverse Relaxation	Kevin McNally
<b>13:27</b>	The use of plan complexity metrics to evaluate treatment planning templates in Monaco treatment planning system	Panagiota Aresti
<b>13:30</b>	Timing is everything: investigating the impact of AlignRT beam hold delay on treatment accuracy on Elekta Versa-HD linacs	Ciara Hickey
<b>13:33</b>	Investigating Peak Skin Dose in Fluoroscopy Guided Neurointerventional Procedures	Rachel Carey
<b>13:36</b>	Dosimetric analysis of vaginal cap use with the Venezia applicator in an image-guided HDR brachytherapy patient cohort with locally advanced cervical cancer	Roisin Mcmonagle
<b>13:39</b>	Evaluation of Plastic Scintillator Dosimetry for Ultra-High Dose Rate Electron Beams in Support of FLASH Radiotherapy QA	Ryan Paisley

### EARLY STAGE RESEARCH AWARD

<b>14:00</b>	Introduction to the Early Stage Research Award	Seán Cournane
<b>14:05</b>	Early Stage Research Awardee 2025	Michaela Walsh
<b>14:15</b>	Announcement of the Early Stage Research Award 2026	Seán Cournane

## WIL VAN DER PUTTEN LECTURE

<b>14:20</b>	<u>GUEST LECTURE</u> ICPM and Professional Development	ICPM Board
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**15:00** *Coffee Break*

## POSTER EXHIBITION

## JOINT SESSION

INIS MOR SUITE

CHAIR: TBD

<b>15:30</b>	Mind the (Knowledge) Gap: What Can 500+ Responses Teach Us About AI Readiness in Radiation Oncology?	Ciaran Malone
<b>15:40</b>	A New Deal for Task-Based Performance Assessment in CT	Ronan Coleman
<b>15:50</b>	The current status and future landscape of Radionuclide Therapies in Ireland	Ann McCann
<b>16:00</b>	A Python-based tool for interactive mapping of clinical radiation scatter fields	Eamon Loughman

## AWARD CEREMONY

INIS MOR SUITE

<b>16:15</b>	Xiel Bursary	Phil Neale (Xiel)
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**16:30** *Close of Meeting*