

Session Program

30 November 2025 to 5 December 2025



AIP summer meeting 2025

Focus Session: Frontiers of Medical Physics

Building 40, Hope Theatre
University of Wollongong Northfields Avenue Wollongong NSW 2522

Thursday 4 December

10:40

Focus Session: Frontiers of Medical Physics

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522 |

Convener: Susanna Guatelli

10:40–11:10

Non-Ionising Optical Tomography and Inverse Radon Reconstruction for Imaging Diffuse Environments

Speaker

Renee Goreham

11:10–11:40

Development of a GEANT4 dosimetric system for orthovoltage x-ray minibeam radiation therapy clinical trials

Speaker

Vincent de Rover

11:40–12:10

Accelerating Innovation: Strategies for Translating Medical Physics Research into the Clinic

Speaker

Joel Poder

12:10–12:40

Of dogs and humans: Does the number of legs matter in the bench-to bedside translation of spatially fractionated radiotherapy techniques?

Speaker

Prof. Elisabeth Schuelcke

12:40

13:40

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13:40–14:10

Opportunities and Challenges of learning from Medical Imaging Data

Speaker

Lois Holloway

14:10–14:40

A modular Geant4 framework for rapid beam shaping assembly design for neutron capture therapy

Speaker

Sherryn MacLeod

14:40–15:10

From physics to patients: Medical physicists driving improved patient outcomes in radiation oncology

15:10

Speaker

Dr Nick Hardcastle