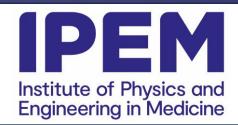
MPEP 2024: Al in Imaging and Treatment Planning

Tuesday 12th November 2024 – Zoom, Online

	Welcome and Introductions		
9:00 – 9:30	Dimitra Darambara, Head, Multimodality Molecular Imaging Instrumentation, The Institute of Cancer Research and The Royal Marsden NHS Foundation Trust		
9:30 – 10:30	Al Primer: Demystifying the Jargon		
	Richard Meades, Principal Nuclear Medicine Physicist, Royal Free London NHS FT		
10:30 – 10:40 <mark>Break</mark>			
10:40 – 11:40	Causal Considerations in Medical Imaging Al		
	Ben Glocker, Professor in Machine Learning for Imaging, Imperial College London		
11:40 - 11:50	11:50 Break		
11:50 - 12:50	AI in Radiotherapy, from Theory to Practice and Back Again		
	Raj Jena, Clinical Professor, University of Cambridge Department of Oncology		
12:50 – 13:15	Panel Discussion/ Q+A Opportunity		
13:15 – 14:00	Lunch		

Programme subject to change







MPEP 2024: AI in Imaging and Treatment Planning

Tuesday 12th November 2024 – Zoom, Online

	Imaging Stream	Radiotherapy Stream
14:00-14:30	Automated Segmentation in Ultrasound	Implementing AI contouring for radiotherapy
	James McLaughlan, Associate Professor, University of Leeds	Alison Starke, Principal Radiotherapy Physicist, NHS Greater Glasgow and Clyde and Niall MacDougall Head of Clinical Dosimetry, Barts Health NHS Trust
14:30-15:00	Developing and Testing AI PET Algorithms	Implementing AI solutions for radiotherapy at Imperial College Healthcare NHS Trust
	Daniel McGowan, Head of Education and Research, Consultant Clinical Scientist, Oxford University Hospitals NHS FT	Josh Mason, Principal Radiotherapy Physicist, Imperial College Healthcare NHS Trust
15:00 – 15:10	Break	Break
15:10 – 15:40	Applications of AI in whole-body diffusion-weighted MRI: Segmentation, acceleration and uncertainty quantification	Medical Image Analysis: Auto – Segmentation and Radiomics in Breast Radiotherapy
	Matthew Blackledge, Group Leader of Computational Imaging, The Institute of Cancer Research	Camarie Welgemoed, Imperial College Healthcare NHS Trust
15:40 – 15:50	Session Wrap Up/ Final Questions	Session Wrap Up/ Final Questions
15:50 – 16:00	Final thoughts (All streams)	

Programme subject to change

