

## Pre-congress Workshops (10 Oct 2024, Thursday)

08:00 – 09:00	Registration		
Venue			
09:00 – 10:30	Workshop 1	Workshop 2	Workshop 3
10:30 – 11:00	Tea Refreshment		
Venue			
11:00 – 13:00	Workshop 1	Workshop 2	Workshop 3
13:00 – 14:00	Lunch		
14:00 – 15:30	Workshop 1	Workshop 2	Workshop 4
15:30 – 16:00	Tea Refreshment		
Venue			
16:00 – 17:30	Workshop 1	Workshop 2	Workshop 5
17:30 – 19:00	SEAFOMP EXCOM & Council Meeting		

**Workshop 1: Vendor supported workshop 1 (GE Medical)**

**Workshop 2: Workshop on Monte Carlo in Radiation Protection**

**Workshop 3: Vendor supported workshop 2 (Varian)**

**Workshop 4: Workshop on Women in Medical Physics**

**Workshop 5: Workshop on Diagnostic Reference Level (DRL)**

## Programme (11 Oct 2024, Friday)

07:00 – 08:30	Registration			
Venue				
08:30 – 09:00	Open/Public Lecture			
09:00 – 09:30	Keynote speech			
09:30 – 10:30	Opening Ceremony			
10:30 – 11:00	Tea Refreshment & Poster Session			
Venue				
11:00 – 12:30	Plenary Session 1.1: Proton therapy & heavy ion therapy	Plenary Session 1.2: Artificial intelligence & applications in medicine	Plenary Session 1.3: Advances in theranostic & molecular imaging	
12:30 – 14:30	Lunch & Exhibition			
14:30 – 14:45	Invited Lecture 1.1	Invited Lecture 1.2	Invited Lecture 1.3	
14:45 – 15:00	Invited Lecture 1.4	Invited Lecture 1.5	Invited Lecture 1.6	
15:00 – 15:15	Invited Lecture 1.7	Invited Lecture 1.8	Invited Lecture 1.9	
15:15 – 16:15	Proffered Papers Therapy 1.1: Therapy	Proffered Papers Imaging 1.2: Imaging	Proffered Papers Nuclear Medicine 1.3: Nuclear Medicine & Radiation Protection	
16:15 – 16:30	Tea Refreshment & Poster Session			
Venue				
16:30 – 18:00	Proffered Papers Therapy 1.4: Therapy	Proffered Papers Imaging 1.5: Imaging	Proffered Papers Nuclear Medicine 1.6: Nuclear Medicine & Radiation Protection	AFOMP EXCOM Meeting

## Detailed programme (11 Oct 2024, Friday)

SESSION	PUBLIC LECTURE & KEYNOTE SPEECH		
08:30 – 09:00	Public Lecture: We all belong		Eva Bezak
09:00 – 09:30	Keynote Speech: Technology and the future of healthcare		Adeeba Kamarulzaman
<b>PARALLEL SESSION</b>	<b>PLENARY SESSION 1.1: PROTON THERAPY &amp; HEAVY ION THERAPY</b>		
11:00 – 11:20	Proton therapy and heavy ion therapy: current practices & future directions		Taweap Sanghangthum
11:20 – 11:40	The nuts and bolts of commissioning and quality assurance of a proton therapy system		Hong Qi Tan
11:40 – 12:00	Current status and development of particle therapy in Taiwan		Jia Cheng Lee
12:00 – 12:30	Panel discussion		
<b>PARALLEL SESSION</b>	<b>PLENARY SESSION 1.2: ARTIFICIAL INTELLIGENCE &amp; APPLICATIONS IN MEDICINE</b>		
11:00 – 11:20	Data bias in AI tools		M. Mahesh
11:20 – 11:40	AI-enhanced dosimetry in X-ray imaging		John Damilakis
11:40 – 12:00	AI-aided radiogenomics for lung cancer therapy		Hidetaka Arimura
12:00 – 12:30	Panel Discussion		
<b>PARALLEL SESSION</b>	<b>PLENARY SESSION 1.3: ADVANCES IN THERANOSTIC &amp; MOLECULAR IMAGING</b>		
11:00 – 11:20	Quantitative theranostic nuclear medicine: How far are we from personalised dosimetry?		Chai Hong Yeong
11:20 – 11:40	Adventures in deep learning-assisted multimodality medical imaging wonderland		Habib Zaidi
11:40 – 12:00	Revolutionising personalized Lu-177 molecular radiotherapy dosimetry		Kitiwat Khamwan
12:00 – 12:30	Panel Discussion		
<b>PARALLEL SESSION</b>	<b>THERAPY</b>		
14:30 – 14:45	Invited Lecture 1.1	Modified electron beam calibration: The concept and implementation	Supriyanto Ardjo Pawiro
14:45 – 15:00	Invited Lecture 1.4	Hybrid Brachytherapy followed-by IMRT (HyBIRT) for oral tongue cancer definitive treatment	Gokula Kumar Appalanaido
15:00 – 15:15	Invited Lecture 1.7	Current status of AI based automated planning and virtual patient-specific QA in radiotherapy	Noriyuki Kadoya
15:15 – 18:00	Proffered papers ( <i>Tea break 16:15 – 16:30</i> )		
<b>PARALLEL SESSION</b>	<b>IMAGING</b>		
14:30 – 14:45	Invited Lecture 1.2	Basic knowledge for creating high-resolution 3D-CT images	Katsumi Tsujioka

14:45 – 15:00	Invited Lecture 1.5	Implementation of a Remote and Automated Quality Control Programme for Radiography and Mammography Equipment	Olivera Ciraj Bjelac
15:00 – 15:15	Invited Lecture 1.8	Patient-specific 3D printed models in medical applications	Zhonghua Sun
15:15 – 18:00	Proffered papers ( <i>Tea break 16:15 – 16:30</i> )		
<b>PARALLEL SESSION</b>	<b>NUCLEAR MEDICINE &amp; RADIATION PROTECTION</b>		
14:30 – 14:45	Invited Lecture 1.3	Voxel based Dosimetry in <sup>177</sup> Lu-PSMA: How to set up? and Clinical Implications	Krisanat Chuamsaamarkkee
14:45 – 15:00	Invited Lecture 1.6	Patient-Centered Care in Medical Imaging Practices: Strategies for Improving Patient Outcomes and Experiences	Norhanna Sohaimi
15:00 – 15:15	Invited Lecture 1.9	Implementation of radiation protection officer certification program in the medical field	Zunaide Kayun
15:15 – 18:00	Proffered papers ( <i>Tea break 16:15 – 16:30</i> )		

## Programme (12 Oct 2024, Saturday)

07:00 – 08:00	Registration			
Venue				
08:00 – 09:00	Presidents' symposium			
09:00 – 09:30	John Cameron Memorial Lecture			
09:30 – 10:00	Kiyonari Inamura Memorial Lecture			
10:00 – 10:30	Tea Refreshment & Poster Session			
Venue				
10:30 – 12:00	Plenary Session 2.1 Advanced techniques in clinical radiotherapy	Plenary Session 2.2 Dosimetry	Plenary Session 2.3 Radiobiology	
12:00 – 12:30	Tech Talk 1 <i>VisionRT</i>	Tech Talk 2 <i>RTI Group APAC</i>	Tech Talk 3 <i>PV Medical Technology</i>	
12:30 – 14:00	Lunch & Exhibition /AFOMP Council Meeting			
14:00 – 14:15	Invited Lecture 2.1	Invited Lecture 2.2	Invited Lecture 2.3	
14:15 – 14:30	Invited Lecture 2.4	Invited Lecture 2.5	Invited Lecture 2.6	
Venue				
14:30 – 16:00	Proffered Papers 2.1 Therapy & dosimetry	Proffered Papers 2.2 Imaging	Proffered Papers 2.3 Radiobiology & radiation protection	Session on IMPCB Accreditation and Certification Programmes
16:00 – 16:20	Tea Refreshment & Poster Session			
Venue				
16:20 – 18:00	Proffered Papers 2.4 Therapy & dosimetry	Proffered Papers 2.5 Imaging	Proffered Papers 2.6 Radiobiology & radiation protection	
19:30 – 22:30	Gala Dinner			

## Detailed Programme (12 Oct 2024, Saturday)

SESSION	PRESIDENTS' SYMPOSIUM & MEMORIAL LECTURES	
08:00 – 09:00	Symposium on medical physics education, training & accreditation.	
		Eva Bezak John Damilakis Chai Hong Yeong Tomas Kron M. Mahesh
09:00 – 09:30	John Cameron Memorial Lecture	
		TBA
09:30 – 10:00	Kiyonari Inamura Memorial Lecture	
		TBA
<b>PARALLEL SESSION</b>	<b>PLENARY SESSION 2.1: ADVANCED TECHNIQUES IN CLINICAL RADIOTHERAPY</b>	
10:30 – 10:50	Tumor-tracking Radiotherapy	
		Byung-Chul Cho
10:50 – 11:10	The development of a clinical trial for cardiac SABR treatment of ventricular tachycardia	
		Robin Hill
11:10 – 11:30	AI application and research in radiation oncology	
		Xiance Jin
11:30 – 12:00	Panel discussion	
12:00 – 12:30	Sponsored tech talk	
		Vision RT
<b>PARALLEL SESSION</b>	<b>PLENARY SESSION 2.2: DOSIMETRY</b>	
10:30 – 10:50	Skin dose evaluations at diagnostic and therapeutic energies	
		David Bradley
10:50 – 11:10	Dosimetry in spatially fractionated synchrotron X-ray radiation therapy	
		Michael Lerch
11:10 – 11:30	Advancements in radioluminescent dosimetry: A path to enhanced radiation monitoring in clinical practice	
		Jeannie Wong
11:30 – 12:00	Panel discussion	
12:00 – 12:30	Sponsored tech talk	
		RTI Group
<b>PARALLEL SESSION</b>	<b>PLENARY SESSION 3.3: RADIOBIOLOGY</b>	
10:30 – 10:50	From 4R's to precision: Deciphering radiobiology in radiotherapy planning	
		Arun Chougule
10:50 – 11:10	Predicting radiotherapy outcomes with radiomics	
		Noorazrul Azmie Yahya
11:10 – 11:30	How to be clinical as a radiology medical physicist	
		Zoe Brady
11:30 – 12:00	Panel discussion	
12:00 – 12:30	Sponsored tech talk	
		PV Medical Technology
<b>PARALLEL SESSION</b>	<b>THERAPY &amp; DOSIMETRY</b>	
14:00 – 14:15	Invited Lecture 2.1	Irradiation of anthropomorphic phantoms for radiotherapy quality audit
		Cheng Saw
14:15 – 14:30	Invited Lecture 2.4	Micro-versatile silica optical fiber dosimeters (SOFeD): A decade revolutionizing radiation sensing in medicine
		Noramaliza Mohd Noor
14:30 – 18:00	Proffered papers ( <i>Tea break 16:00 – 16:20</i> )	

<b>PARALLEL SESSION</b>	<b>IMAGING</b>		
14:00 – 14:15	Invited Lecture 2.2	Medical physicists role in establishing diagnostic reference levels and national dose index registry: Thailand Experience	Napapong Pongnapang
14:15 – 14:30	Invited Lecture 2.5	Moderate brain arousal in the presence of sub-optimal backgrounds as explained by stochastic resonance	Ahmad Nazlim Bin Yusoff
14:30 – 18:00	Proffered papers ( <i>Tea break 16:00 – 16:20</i> )		
<b>PARALLEL SESSION</b>	<b>RADIOBIOLOGY &amp; RADIATION PROTECTION</b>		
14:00 – 14:15	Invited Lecture 2.3	Some emerging issues in medical exposure that may have an impact on the radiation protection system	Ola Holmberg
14:15 – 14:30	Invited Lecture 2.6	Advancing medical physics through Interdisciplinary radiobiological research	Wan Nordiana W. Abd Rahman
14:30 – 18:00	Proffered papers ( <i>Tea break 16:00 – 16:20</i> )		
<b>PARALLEL SESSION</b>	<b>IMPCB</b>		
14:30 – 16:00	Round table discussion on International Medical Physics Certification Board (IMPCB) accreditation & certification programs		Jeannie Wong Tomas Kron Adel Mustafa Wei Loong Jong Byung-Chul Cho

## Programme (13 Oct 2024, Sunday)

07:00 – 08:00	Registration		
Venue			
08:00 – 10:00	Proffered Papers 3.1 Therapy	Proffered Papers 3.2 Imaging	Proffered Papers 3.3 Nuclear medicine & radiation protection
10:00 – 10:30	Tea Refreshment & Poster Session		
10:30 – 10:45	Invited Lecture 3.1	Invited Lecture 3.2	Invited Lecture 3.3
10:45 – 11:00	Invited Lecture 3.4	Invited Lecture 3.5	Invited Lecture 3.5
11:00 – 12:30	Proffered Papers 3.4 Therapy	Proffered Papers 3.5 Imaging	Proffered Papers 3.6 Nuclear medicine & radiation protection
12:30 – 14:00	Lunch & Exhibition		
Venue			
14:00 – 14:30	Plenary Lecture 1	AFOMP Awardees session	
14:30 – 15:00	Plenary Lecture 2		
15:00 – 15:30	Plenary Lecture 3		
15:30 – 16:30	Awards Presentation & Closing Ceremony		
16:30 – 17:00	Tea Refreshment		

## Detailed programme (13 Oct 2024, Sunday)

<b>PARALLEL SESSION</b>	<b>THERAPY</b>		
08:00 – 10:00	Proffered papers		
10:30 – 10:45	Invited Lecture 3.1	Introduction of rotational VMAT techniques for total body irradiation and total marrow and lymph node irradiation	Phil W. Koken
10:45 – 11:00	Invited Lecture 3.4	Assessing potential role of medical physicists in laser therapy	Nursakinah Suardi
11:00 – 12:30	Proffered papers		
<b>PARALLEL SESSION</b>	<b>IMAGING</b>		
08:00 – 10:00	Proffered papers		
10:30 – 10:45	Invited Lecture 3.2	Quantitative MRI in biomedical applications	Maria Yanez Lopez
10:45 – 11:00	Invited Lecture 3.5	Experience with CT protocols for optimal patient dose and image quality	Adel Mustafa
11:00 – 12:30	Proffered papers		
<b>PARALLEL SESSION</b>	<b>NUCLEAR MEDICINE &amp; RADIATION PROTECTION</b>		
08:00 – 10:00	Proffered papers		
10:30 – 10:45	Invited Lecture 3.3	Patient-centered care in medical imaging practices: Strategies for improving patient outcomes and experiences	Tomas Kron
10:45 – 11:00	Invited Lecture 3.6	Implementation of radiation protection officer certification program in the medical field	Nur Rahmah Hidayati
11:00 – 12:30	Proffered papers		
<b>SESSION</b>	<b>PLENARY LECTURES &amp; CLOSING</b>		
14:00 - 14:30	Advancement of medical physics and achieving sustainable healthcare in the LMICs – the role of the IOMP		Magdalena Stoeva
14:30 – 15:00	Training, research, and education opportunities by the IAEA: Revolutionizing patient care through nuclear science and medical physics		Marina Mishar
15:00 – 15:30	Communication Skills: Essential to become an effective medical physicist		M. Mahesh
15:30 – 16:30	Awards presentation & closing ceremony		