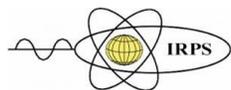


4th INTERNATIONAL FORUM ON ADVANCES IN RADIATION PHYSICS (IFARP-4)



Time	Day One Tuesday 29 March 2022	Time	Day Two Wednesday 30 March 2022	Day Three Thursday 31 March 2022
8:00-9:00	Registration			
Plenary Sessions				
9:00-9:35	Dosimetric Needs in Support of Flash Radiotherapy Prof. David Bradley (Physical) Sunway University, Malaysia /University of Surrey, UK	9:00-9:35	The Importance of Nuclear Data for Production Diagnostic and Theranostic Radionuclides via Accelerator Route Prof. Mayeen Uddin Khandaker (Physical) Sunway University, Malaysia	Spectra and Gamma Factors for X-rays for Diagnosis Prof. Hector Rene Vega-Carrillo (Virtual) Universidad Autonoma de Zacatecas, Mexico
9:35-10:10	Iterative Position Reconstruction Method for Gamma Cameras Prof. Isabel Lopes (Physical) Coimbra University, Portugal	9:35-10:10	Determination of Radioactivity Concentration and Hazards Assessments Near Radioactive Waste Site in Saudi Arabia Prof. Thamer Alharbi (Physical) Majmaah University, Saudi Arabia	Pregnancy and Radiation Prof. Constantin Kappas (Virtual) University of Thessaly, Greece
10:10-10:30	Opening Ceremony	10:10-10:45	Silica-based Passive Dosimeters for Medical Radiation Measurements Dr. Amjad Rashed Alyahyawi (Physical) University of Ha'il, Saudi Arabia	Concept for a real-time distributed optical fiber radiation sensing system Prof. Hairul Azhar Abdul-Rashid (Virtual) Multimedia University, Malaysia
10:30-11:05	Recent Advances in Compton Camera Detector Development for Medical Imaging Prof. Peter Thierolf (Physical) Ludwig-Maximilians-Universität München, Germany			
11:05-11:15	Coffee Break	10:45-11:00	Coffee Break	
11:15-11:50	Recent Research on Utilizing Artificial Intelligence in Radiation Therapy Prof. Fouad Abdulaziz Abolaban (Physical) King Abdulaziz University, Saudi Arabia	11:00-11:35	Radiological and Nuclear Emergencies : Lessons Learned Dr. Belal Moftah (Physical) King Faisal Specialist Hospital & Research Center, Saudi Arabia	Radiation Physics Programmes and Research at the University of Surrey Prof. Zsolt Podolyak (Virtual) University of Surrey, UK
11:50-12:25	Radiation Protection in Medicine: Current Challenges and Future Prospective Prof. Abdelmoneim Sulieman (Physical) Prince Sattam bin Abdulaziz University, Saudi Arabia	11:35-12:10	A Cause of Neurodegeneration? Structural Interpretation of CU Binding in N-Truncated Amyloid- β Peptides from X-ray Absorption Spectroscopy Prof. Christopher Thomas Chantler (Virtual) University of Melbourne, Australia	Phase-Contrast X-ray Imaging: Principles and Applications Prof. Luigi Rigon (Virtual) University of Trieste, Italy
12:25-13:00	Radiopharmaceuticals in the Era of Precision Medicine Dr. Ibrahim AlJammaz (Physical) King Faisal Specialist Hospital & Research Center, Saudi Arabia	12:10-12:45	Radioactive Waste Management- Nuclear Waste Disposal Dr. Yazed Alashban (Virtual) King Saud University, Saudi Arabia	Break (12:10-12:20)
				Panel Discussion (Physical & Virtual) Management of Radiation Physics Society: Challenges and Future Prospective (12:20-13:40)
13:00-14:00	Lunch Break and Poster Session	12:45-13:45	Lunch Break and Poster Session	Closing (13:40-14:00)



4th INTERNATIONAL FORUM ON ADVANCES IN RADIATION PHYSICS (IFARP-4)



Time	Day One Tuesday 29 March 2022	Time	Day Two Wednesday 30 March 2022		
14:00-15:00	SFDA Regulation for Safe Use of Radiation Emitting Medical Devices Eng. Nasser Alaboudi (Physical) Saudi Food & Drug Authority, Saudi Arabia	13:45-15:15	National Contribution in Nuclear and Radiological Applications Nuclear Science Research Institute (Physical) King Abdulaziz City for Science and Technology, Saudi Arabia		
15:00-15:30	Radiation Detection and Nuclear Security Dr. Ahmed Omar (Physical) Naif Arab University for Security Sciences, Saudi Arabia				
15:30-15:45	Break	15:15-15:30	Break		
15:45-17:00	Parallel Sessions 1 Abstract Presentation (Physical)		Parallel Sessions 2 Abstract Presentation (Virtual)		
	Track A Radiation Physics and Application in Medicine • RP-025-PO • RP-027-PO • RP-053-PO • RP-010-PO • RP-007-PO	Track B Radiation Detection and Dosimetry • RP-049-PO • RP-038-PO • RP-078-PO • RP-080-PO • RP-082-PO	15:30-17:15	Track A Radiation Physics and Application in Medicine • RP-006-VO • RP-015-VO • RP-033-VO • RP-035-VO • RP-040-VO • RP-054-VO • RP-072-VO	Track B Radiation Detection and Dosimetry • RP-030-VO • RP-026-VO • RP-012-VO • RP-014-VO • RP-047-VO • RP-051-VO • RP-070-VO
End					

- All activities and function take place in Al Daryia Hall, 4th Floor at the main university Hall.
- Parallel Sessions take place in Al Daryia Hall and Darwaza Hall.