

ICMP2019 Preliminary Program

TIME	HALL 1 Norteamerica	HALL 2 Centro America	HALL 3 SudAmerica	HALL 4 Europa	HALL 5 Antártica	HALL 6 Parinacota	HALL 7 Tupungato	HALL 8 Aconcagua	Manquehue	
Sunday September 8										
8:30 - 9:00	Registration to the courses					Pre-Conference Courses sponsored by AAPM: Theoretical and practical workshop on Dosimetry of Small Static Fields in External Beam Radiotherapy - IAEA TRS 483. Saiful Huq, 20 participants / Friday 6 theoretic, Saturday 7 practices Clinica Alemana Quality, Safety and TG 100. Saiful Huq, Per Halverson, Flavia Cristina S. Teixeira 50 participants / Saturday 7 Hotel Intercontinental				
9:00 - 11:30	C1 - (SPA) Radiotherapy Educational Course: Advances in Physics and Dosimetry in Brachytherapy , S Lozares (coordinator) (SEFM)	C2 - Imaging Educational Course: Advances in medical imaging including image processing and analysis , M Mahesh (coordinator)	C3 - (SPA) Nuclear Medicine Educational Course: Advances in Nuclear Medicine Physics , S Mosconi (SAFIM)	C4 - (SPA) Radiotherapy Educational Course: Treatment planning of SRS and SBRT treatments , D Venencia	C5 - (SPA) Radiation Protection Educational Course: Radiation Effects in the uterus, the embryo/fetus and the children , C Borrás					
11:30 - 12:00	Coffee Break					International Medical Physics Certification Board Examinations Part I Friday, September 6 at 1:00 to 4:00 pm. Part II Saturday, September 7 at 10 am to 1 pm. Hotel Intercontinental				
12:00 - 14:30	C1 - Radiotherapy Educational Course (SPA) (cont)	C2 - Imaging Educational Course (cont)	C3 - Nuclear Medicine Educational Course (SPA) (cont)	C4 - Radiotherapy Educational Course (SPA) (cont)	C5 - Radiation Protection Educational Course (SPA) (cont)					
15:00 - 16:00	Registration to Conference									
16:00 - 16:30	Opening Ceremony									
16:30 - 17:00	Grand Lecture IOMP, M. Rehani									
17:00 - 17:30	Grand Lecture ALFIM, R. Alfonso									
	Keynote presentation IAEA, Raul Ramirez									
18:00 - 20:00	Welcome reception / Exhibition Area									
Monday September 9										
8:30 - 9:30	Plenary Session: Education & training in Medical Physics. From academic training to recognition , G. Loretto (coordinator)									
9:30 - 10:00	Frontier areas in medical physics: Radiotherapy . G. Ibbott (coordinator), G Ibbott, D Bourland, J Palta.	Joint IOMP-IAEA-PAHO-ISR Course: The role of medical physicists in justification in medical imaging , Part I. O. Holmberg (IAEA), Aurélien Bouëtté (IAEA), P. Jiménez (PAHO), D. Remedios (IAEA), S Sánchez (ISR)	IOMP School: Frontier areas in medical physics: Medical imaging , E. Samei.	Radiation Protection Symposium: Shielding design for CT rooms , M Martin.	Joint IOMP-ICRP-ISR-IRPA Course: Future directions in radiation protection , J. Damiliakis (Chair), Bernard Le Guen (IRPA), R. Mendonça (ISR), Madan Rehani (IOMP & ICRP)	(SPA) Workshop on Risk Assessment and Safety Culture in Modern Radiotherapy , A Torres (Chair), IAEA RLA9085	(SPA) Workshop Education & Training in Latin America and the Caribbean: Postgraduate medical physics programs in LA, Part I. Challenges for starting a new postgraduate program in Medical Physics: experiences and lesson learnt . G. Loretto, R. Alfonso	Sun Nuclear Dosimetry Workshop: Patient-specific QA in stereotactic treatments , F Bregains		
10:00 - 10:30						(SPA) Workshop Education & Training in Latin America and the Caribbean: Postgraduate medical physics programs in LA, Part II. For a Latin American curriculum in Medical Physics . G. Loretto, R. Alfonso				
10:30 - 11:00				Imaging Symposium: How to promote the role of the medical physicist in Diagnostic Radiology among the						
11:00 - 11:30	Coffee Break / Exhibition Area									
11:30 - 12:00	Radiotherapy Symposium: Small Field Dosimetry Session: The new IAEA/AAPM Code of Practice TRS-483 , S. Huq	Joint IOMP-IAEA-PAHO-ISR Course: The role of medical physicists in justification in medical imaging , Part II.	IOMP School: Ongoing challenges and future prospects of DRLs , J Damiliakis. 1. The Good, the Bad and the Ugly of DRL , M Rehani; 2. EUCLID project: The European study on clinical DRLs for X-ray medical imaging , J Damilakis.	Multi-Disciplinary Symposium: Automated planning and Artificial Intelligence , L. Court, C. Cardenas		(SPA) Radiation Protection Symposium: Análisis y evaluación de áreas de radiodiagnóstico. Preparación para la visita técnica del OIEA a sus instalaciones , O Arias.	(SPA) Workshop Education & Training in Latin America and the Caribbean: Postgraduate medical physics programs in LA, Part III. Results of IAEA survey on clinical training in the LAC Region , G. Loretto	Sun Nuclear Dosimetry Workshop: End to end testing for SRS , E Sabino		
12:00 - 12:30					(SPA) Taller sobre Control de Calidad en Radiodiagnóstico. Hacia un nuevo protocolo del OIEA . Patricia Mora, Simone Kodulovich. IAEA RLA9075	(SPA) Workshop Education & Training in Latin America and the Caribbean: Postgraduate medical physics programs in LA, Part IV. Experiences of Clinical Training programs in LAC . R Ruggeri (ARG), D Venencia (Arg), CE Almeida (BRA), R Figueroa (CHI), M-E Brandan (MEX). Experiences of non LAC programs: S Loares (SPA), R Padovani (ICTP), G Loreti (IAEA), G Valdes (USA), H Patrocinio (CAN).				
12:30 - 13:00	Pilot testing of the CoP TRS-483: Results of an IAEA CRP , R. Alfonso			Machine Learning and Artificial Intelligence in Medical Physics: the Indian perspective , AK Rath						
13:00 - 14:30	Scientific Lunch									
14:30 - 16:00	Varian Symposium (14:30-15:30)	Oral Presentations / ePosters / Exhibition Area							Workshop VARIAN: Planeación de tratamiento eficiente con RapidPlan	
16:00 - 16:30	Coffee Break / Exhibition Area									
16:30 - 18:00	Oral Presentations / ePosters / Exhibition Area							Elekta Workshop		

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Tuesday 10												
8:30 - 9:30	Plenary session: Imaging physics. Title to be confirmed , Cynthia McCollough.											
9:30 - 10:00	Radiotherapy Symposium: Updates on non standard radiotherapy photon beam dosimetry , J. Seuntjens	Joint IOMP-IAEA-PAHO-ISR Course: The role of medical physicists in justification in medical imaging, Part III.	IOMP School: Dose reduction and optimization in CT , K Damilakis (coord): 1. Current trends in CT dosimetry , J Damilakis. 2. Quantitative CT: the role and limitations of radiomics , E Samei. 3. CT dose optimization for paediatrics head and thorax protocols (D Yanikian Nersissian). 4. Dose Management Systems: advantages, experiences, problems identified, use in optimization (to be determined).	Refresher Course: Monte Carlo based verification of complex treatment plans: the PRIMO platform , M Rodriguez	Joint IOMP-ISR session: Quality and Safety in Imaging. Justification concept and its implementation , S Sánchez		(SPA) Workshop Education & Training in Latin America and the Caribbean: Part V. Group Work on designing a draft syllabus for a regional clinical training program in Medical Physics , Invited representatives of participating LAC countries.	PTW Dosimetry Workshop: Independent Patient QA verification of Advanced Treatment Techniques , J Wuerfel				
10:00 - 10:30	Ways and example of improving RT QM through TG-100 approach , S Huq									Joint IOMP-ISR session (cont): Quality and Safety in Imaging. ISRQSA: concept and mission , RA Mendonça	(SPA) AAPM Symposium: Quantitative Ultrasound Imaging: How to do it. I Rosado-Méndez	
10:30 - 11:00	Education Symposium: Improving medical physics education: role of i.treatsafely , Y Pipman									Dosimetry Symposium: In vivo dosimetry for pediatric patients during interventionism procedures , V. Bourel		
11:00 - 11:30	Coffee Break / Exhibition Area											
11:30 - 12:00	Radiotherapy Symposium: Novel dosimetry systems for RT , G Ibbott	Education Round Table: Postgraduate medical physics programs , J. Damilakis	Imaging Symposium: The role and relevance of virtual imaging trials in imaging research and practice , E Samei.	Imaging Symposium: From qualitative imaging to radiomics and radiogenomics , K Theodorou	Education Symposium: Teaching Medical Physics to Radiology residents: the International Society of Radiology (ISR) approach . R. Mendonca.	(SPA) AAPM Symposium: Breast imaging , I Sechopoulos	(SPA) Symposium. Radiation Protection of Patients in the Latin American and the Caribbean Region . Raul Ramírez (IAEA), Pablo Jiménez (PAHO), Simone Kodlulovich (FRALC), Eduardo Medina (LAPRAM), Enrique Viveros (chair)	PTW Dosimetry Workshop: "Detector Physics for Modern Linac Modalities" , J Wuerfel				
12:00 - 12:30	Out-of-field doses and secondary cancer risk estimation in modern photon radiotherapy , B Sánchez-Nieto.										Radiation Protection Symposium: Future challenges in Radiation Protection of patients . C. E. de Almeida	
12:30 - 13:00	The potential impact of convergent X-rays beams in radiotherapy and theranostics . R									Digital Radiography 2D Image Analysis , A Mustafa.		
13:00 - 14:30	Scientific Lunch											
14:30 - 16:00	Oral Presentations / ePosters / Exhibition Area							REICH - Accuray Workshop	Workshop VARIAN: Planeación de tratamiento con MCO & HyperArc			
16:00 - 16:30	Coffee Break / Exhibition Area											
16:30 - 18:00	Oral Presentations / ePosters / Exhibition Area							REICH - RaySearch Workshop				
18:00 - 20:00	Banquet Dinner (Invitation)											
Wednesday 11												
8:30 - 9:30	Plenary session: Radiation Oncology. New paradigms and future challenges , S Huq											
9:30 - 11:00	Radiotherapy Symposium: A case for upright Radiotherapy? Rock Mackie	Refresher Course: Image Quality Improvement in Breast Tomosynthesis and Breast CT , I Sechopoulos	Multi-disciplinary Symposium: A hands-on introduction to deep learning for medical physics , G Valdes, Y Interian	Radiation Protection Symposium: Shielding design for PET/CT rooms , M Martin.	Joint IOMP-IAEA-EFOMP-ICTP-PAHO/WHO-ACR-IMPC Profesional Accreditation . G Loretta (Chair), A Chougule (Co-chair)	(SPA) AAPM Symposium: Improving patient radiation protection or evaluating risks in medical imaging: what matters most? C. Borras		EyG Workshop				
11:00 - 11:30	Coffee Break / Exhibition Area											
11:30 - 13:00		Imaging Symposium: Quantitative Ultrasound Imaging: strengths, limitations and current applications , I Rosado-Méndez	Multi-disciplinary Symposium: A hands-on introduction to deep learning for medical physics , G Valdes, Y Interian (cont.)	MPWB workshop: Medical Physics education and training in limited resource settings , Y. Pipman, P. Sprawls, G. Loretta, R. Alfonso		Radiation Protection Symposium: Real-time dosimetry in Interventionism , John Williams, Yvone M. Mascarenhas		OSL Control Dosimetry Workshop				
13:00 - 14:30	Scientific Lunch											
14:30 - 16:00	Oral Presentations / ePosters / Exhibition Area								Workshop VARIAN: Demostracion de Machine Performance Check			
16:00 - 16:30	Coffee Break / Exhibition Area											
16:30 - 18:00	Awards & Closing Ceremony											