

	TUESDAY 14th OCTOBER			
08:30 - 09:00	REGISTRATION		TEA/COFFEE	
09:00 - 10:00				
10:00 - 10:15	Session A Dr Graeme L Lazarus	WELCOME ADDRESS		
10:15 - 10:45		A1	Prof Monica Serban	Modern Interstitial Brachytherapy for Gynaecologic Cancers
10:45 - 11:30		P1	Mrs M D du Toit	Introducing an intelligent software system based on Complex Adaptive Systems (CAS) theory at Tygerberg Hospital's Medical Physics Division
		P2	Ms J Olivier	Beam model comparisons between AAA and AXB Eclipse algorithms to Elekta Synergy measured beam data
		P3	Mr Jake Blank	Radiotherapy Dosimetry Audit at Tygerberg Hospital in Compliance with the ARCHERY Research Study
		P4	Mr Jake Blank	Building a Low-Field Magnetic Resonance Scanner
		P5	Mr Samkelo Mngqete	A Practical Approach to Reirradiation: Insights from Netcare Alberton Hospital
		P6	Mr Vuyisile Jonas	Effects of Iteration and Blur Filters on PET imaging of Tiny Stuctures
		P7	Mrs Haafizah De Waal	Film Dosimetry and Dose Mapping of an X-ray Blood Irradiator
		P8	Mr Musa Maluleka	Activation of the p53 Pathway Enhances DNA Double-Strand Break Response in Glioblastoma and Medulloblastoma Cells Treated with Photon Irradiation and AMG232
		P9	Ms Banele Ndlovu	The Effect of South African Indigenous Medicinal Plants on Radiation-Induced Alterations in Skin
11:30 - 12:00		A2	Prof Jan Seuntjens	Reference dosimetry and quality assurance aspects of complex radiation therapy delivery
12:00 - 13:00	LUNCH (SARPS AGM - BREAKAWAY ROOM CYCAD A)			
13:00 - 13:15	Session B Mr Lutendo Nethwadzi	B1	Dr Lourens Strauss	Reach for the Chi(X): Exploring an alternative metric for dose comparison
13:15 - 13:30		B2	Mr Hein Fourie	Quantitative 4D-CT reconstruction dependency on acquisition periodicity
13:30 - 14:00		B3	Prof Jan Seuntjens	Career paths in Medical Physics: training strategies for health professionals, innovators and scientists
14:00 - 14:15		B4	Prof Debbie van der Merwe	Update to the Scope of the Profession of Medical Physics in South Africa (ETHICS)
14:15 - 14:30		B5	Mr Thuso Ramaloko	Road to 7th fully fledged Medical Physics department in South Africa
14:30 - 14:45		B6	Mrs Nanette Joubert	Training and post numbers in South African Medical Physics departments
14:45 - 15:15		B7	Mr Gerrit Hombrink	Sponsored by Intamed/Brainlab: Improvements in patient disease management with the support of AI solutions.
15:15 - 15:45	TEA/COFFEE			
15:45 - 17:45	SAMPS AGM (MAIN HALL UMDONI 2)			
18:00 - 23:30	MEET & GREET COCKTAIL FUNCTION - POOL VENUE - GATEWAY HOTEL			

	WEDNESDAY 15th OCTOBER			
08:00 - 08:15	Session C Mrs Nanette Joubert	C1	Mr Wilhelmus Petrus Struweg	TPS Validation and Beam Stability Over Time on Halcyon: 7 Years at 2 Sites
08:15 - 08:30		C2	Mr Benedetto Savides	Commissioning and clinical use of Hypersight
08:30 - 08:45		C3	Mr Hector M. Leboea	The Monte Carlo Simulations of the Photon Beams Used in External Beam Radiotherapy
08:45 - 09:00		C4	Mr Nicolas Rovetto	A Full Width at Half Maximum (FWHM) based approach to treatment planning system validation for precise stereotactic radiotherapy
09:00 - 09:15		C5	Prof Christoph Trauernicht	The IROC virtual treatment planning system audit
09:15 - 09:30		C6	Mr Nyiko Mabasa	Virtual EPID Standard Phantom Audit (VESPA) for remote IMRT and VMAT credentialing of Addington Hospital
09:30 - 10:00		C7	Dr Lourens Strauss (Tecmed)	Sponsored by Tecmed: Raising the Bar: Quality Assurance in the Era of Adaptive Radiotherapy
10:00 - 10:30	TEA/COFFEE			
10:30 - 11:30	Session D Mr Hein Fourie	D1	<b>RADIOBIOLOGY:</b> Registration in clinical practice, clinical training programmes and posts in clinical practice and research. Mr Hein Fourie, Netcare Medical Physics SoC & SARS Secretary – Session Chair Alistair Hunter, Radiobiologist, Groote Schuur Hospital & SARS Chairperson – panellist Dr Randall Fisher, iThemba LABS - panellist Dr Kamo Ramonaheng, Medical Physicist, NuMeRI - panellist Dr Seshini Naidoo, Radiation Oncologist, Inkosi Albert Luthuli Central Hospital - panellist Dr Graeme Lazarus, Inkosi Albert Luthuli Central Hospital - panellist	
11:30 - 11:45		D2	Ms Xanthene Miles	Modulatory effects of the MDM2 inhibitor AMG 232 on the p53 pathway and radiation response in glioblastoma and medulloblastoma cell lines
11:45 - 12:00		D3	Mr Jake H. Blank	Comparison of Kidney Dosimetry for Lutetium-177 Therapy Using MIRDsoft and OpenDose Platforms
12:00 - 12:30		D4	Mr Andre Luis Secco Mattesco	Sponsored by SNC/AXIM: Optimizing the Machine Quality Control Routine with the SunCHECK™ Platform
12:30 - 13:30	LUNCH (HOD MEETING - BREAKAWAY ROOM CYCAD A)			
13:30 - 14:00	Session E Mr Hector Leboea	E1	Mr Yassar Rather	Sponsored by Varian: Varian RAD and Maxim QA
14:00 - 14:15		E2	Ms Zandri Van der Westhuizen	Gaussian Convolution in EPIQA: How much is "TOO MUCH"?
14:15 - 14:30		E3	Ms Lerato Mohlafase	Performance evaluation of ionization chambers and microdiamond detector in small field penumbra measurements
14:30 - 14:45		E4	Mrs Juanita van Staden	Evaluation of Bolus Materials in ICON Radiotherapy Units
14:45 - 15:00		E5	Ms Chante Jooste	Commissioning of the Elekta Synergy Agility Linear Accelerator on Eclipse TPS: A Dosimetric Comparison of AAA and Acuros XB
14:45 - 15:00		E6	Mr Itumeleng Setilo	Development of Web-Based DICOM RT Mode Patient Tracking System for Treatment Continuity When Server is Offline
15:00 - 15:30	TEA/COFFEE			
15:30 - 16:00	Session F Dr Tobias Kotze	F1	Mr Thokozani Mkhize	Sponsored by Flowbiomed: UNICHECK - The Daily QA Solution
16:00 - 16:15		F2	Mr Andre Luis Secco Mattesco	Justifying QA Investment in Radiotherapy: Clinical Impact, Patient Safety, and Economic Value
16:15 - 16:30		F3	Ms Loren Campbell	Different Beasts: Comparing Practical Safety Considerations for Iodine-131 and Lutetium-177 Therapies at Groote Schuur Hospital
16:30 - 16:45		F4	Mrs Talitha Bekker	Brand New Sealed Sources: To wipe or not to wipe?

	<b>THURSDAY 16th OCTOBER</b>		
08:00 - 08:15	<b>REGISTRATION</b>		
08:15 - 08:30	<b>WELCOME AND INTRODUCTION</b>		
08:30 - 09:00	<b>Session G</b> Prof Christoph Trauernicht	G1	Prof Monica Serban From Planning to Practice: Automating and Standardizing SFRT Delivery
09:00 - 09:15		G2	Mr Stoltz Ahg A comparison between 3DCRT, IMRT and VMAT for breast radiotherapy
09:15 - 09:30		G3	Mrs Elaine Smith Dosimetric comparison between 2D and 3D planned intracavitary brachytherapy for cervical cancer at Groote Schuur Hospital
09:30 - 09:45		G4	Mrs Monique Du Toit The role of the medical physicist in cervical brachytherapy at Tygerberg hospital
09:45 - 10:00		G5	Ms Mpho C. Mnguni Investigation of Dosimetric Impact from Positional Deviations of the Radioactive Source Within the Ring Applicator During Gynaecological Brachytherapy
10:00 - 10:05		P10	Mrs Riana Jackson Taking a deep breath: The use of the deep expiration breath hold technique in the Stereotactic Body Radiotherapy Treatment of a lung lesion - A case study
10:05 - 10:10		P11	Mr Emilio John Clinical experience and review using Cone-Beam Computed Tomography planning (CBCTp) on the Halcyon with Hypersight
10:10 - 10:45	<b>TEA/COFFEE</b>		
10:45 - 11:15	<b>Session H</b> Prof Debbie vd Merwe	H1	Prof Monica Serban Dose Accumulation in Multi-Modality Radiotherapy: Integrating EBRT, BT, and Re-Irradiation Scenarios
11:15 - 11:45		H2	Prof Jan Seuntjens Democratization of Proton Therapy for Cancer Therapy
11:45 - 12:15		H3	Prof Tucker Netherton What is AI?
12:15 - 12:45		H4	Prof Carlos Cardenas Everyday use of AI (and the clinic)
12:45 - 13:45	<b>LUNCH (SAAPMB COUNCIL MEETING - MAIN HALL UMDONI 2)</b>		
13:45 - 14:00	<b>Session I</b> Mrs Monique du Toit	I1	Mr Willem Boonzaier Domain Adaptation for Adult Glioma Segmentation in Sub-Saharan Africa: An Ensemble of nnU-Net v2 and MedNeXt – Team South Africa’s Contribution to BraTS Africa 2025
14:00 - 14:15		I2	Ms Iris Theron Implementation of AI at ICON SA: MPs and RTs perspectives
14:15 - 14:30		I3	Ms Andrea Marais Implementation of the Radiation Planning Assistant (RPA) for clinical use
14:30 - 14:45		I4	Mr Willem Boonzaier Opportunities and Obstacles in Implementing AI in Healthcare Across Africa: Insights from the SPARK Program.
14:45 - 15:30	<b>Session J</b> Prof Laurence Court	<b>DEBATE 1</b>	<p>AI can do QA better than physicists?</p> <p>POINT: Prof Christoph Trauernicht</p> <p>COUNTERPOINT: Dr Lourens Strauss</p> <p>Comments from the panel: Profs Tucker Netherton, Jan Seuntjens, Carlos Cardenas</p> <p>Comments and questions from the audience</p>
15:30 - 16:00	<b>TEA/COFFEE</b>		
16:00 - 17:30	<b>SAAPMB AGM (SECOND HALL UMDONI 1)</b>		
18:00 -23:45	<b>GALA DINNER - MAIN HALL UMDONI 2 - GATEWAY HOTEL</b>		

	<b>FRIDAY 17th OCTOBER</b>		
08:00 - 08:30	<b><i>SAAPMB COUNCIL MEETING (SECOND HALL UMDONI 1)</i></b>		
08:30 - 09:15	Prof Jan Seuntjens	K1	Prof Tucker Netherton Ethics in AI
09:15 - 10:00		K2	Prof Laurence Court Risk in Deployment of AI
10:00 - 10:30	<b>TEA/COFFEE</b>		
10:30 - 11:15	Session L Prof Laurence Court	L1	Prof Carlos Cardenas Clinical implementation of AI
11:15 - 12:00		L2	Prof Jan Seuntjens AI for outcome prediction
12:00 - 12:45		L3	Prof Tucker Netherton Future of AI (new technologies, changes in workforce, change in workflows)
12:45 - 13:30		DEBATE 2	<p>AI will replace Oncologists in the next 5 years</p> <p>POINT: Mrs Nanette Joubert</p> <p>COUNTERPOINT: Dr Shona Bhadree</p> <p>Comments from the panel</p> <p>Comments and questions from the audience</p>
13:30 - 13:45	<b>OFFICIAL CLOSURE</b>		