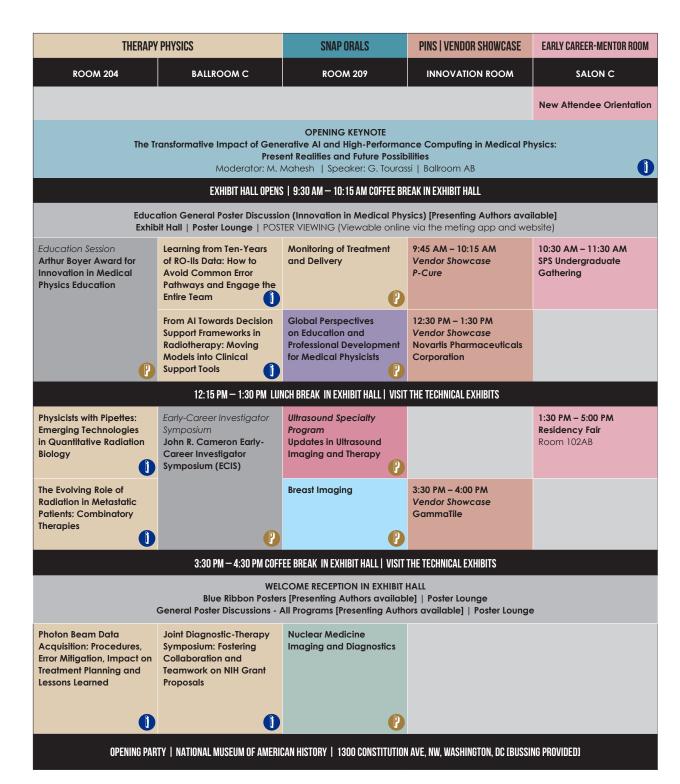
SUNDAY | JULY 27

	PROFESSIONAL	DIAGNOSTIC AND INTERVENT	TIONAL RADIOLOGY PHYSICS	RADIOPHARMACEUTICALS	THERAPY PHYSICS					
	ROOM 201	201 ROOM 207A ROOM 206 ROOM 207B		ROOM 207B	ROOM 202					
7:30 AM — 3:30 AM										
3:30 AM — 9:30 AM	OPENING KEYNOTE The Transformative Impact of Generative AI and High-Performance Computing in Medical Physics: Present Realities and Future Possibilities Moderator: M. Mahesh Speaker: G. Tourassi Ballroom AB									
		EXHIBIT HALL OPENS 9:30 A	AM — 10:15 AM COFFEE BREAK IN	EXHIBIT HALL						
9:30 AM — 10:15 AM			n (Innovation in Medical Ph R VIEWING (Viewable onlin							
10:15 AM — 11:10 AM	Hot Off the Press: Updates from the ABR Al-Driven Radiomics and Imaging for in Evolving Diagnostic and Therapeutic Current and Emerging Clinical PET Technologies Outcomes Al-Driven Radiomics MRI Safety Guidance in Evolving Diagnostic and Therapeutic Environments: Survival of the Physicist		Quantitative Imaging							
11:20 AM — 12:15 PM	Making Parenthood Work: Strategies for Balancing Family and Career in Medical Physics	Organ Dose Estimation and Dose Distribution in CT	Advances in MRI Techniques: Motion Correction, Coil Design, and Tissue Characterization	Exploring Quantitative SPECT. How Quantitative Is Quantitative?	MR Guided Radiation Therapy - Expanding the Horizon					
	12	2:15 PM — 1:30 PM LUNCH BREA	K IN EXHIBIT HALL VISIT THE T	ECHNICAL EXHIBITS						
1:30 PM — 2:25 PM	Professional Council Symposium: Force Multipliers – Making the Most of the Physicists You Do Have	IAEA Initiatives in Advancing Clinical Medical Physics for Fluoroscopy Guided Interventions	Pediatrics: High- Resolution CT, Photon Counting	Why Do We Need Dosimetry in Radiopharmaceutical Therapy?	Debate: Low-Field Vs. High-Field MRI for Radiation Therapy					
2:35 PM — 3:30 PM	Staffing Practices for Online ART with CBCT and MR Based Platforms	Histotripsy Physics, Image Guidance, and Clinical Perspectives	Pediatrics - Read with the Radiologist	How to Do Dosimetry: Methods and Tools	MRI in RT					
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	3:	30 PM — 4:30 PM COFFEE BREAK	(IN EXHIBIT HALL VISIT THE TE	CHNICAL EXHIBITS						
3:30 PM — 4:30 PM	Gen	Blue Ribbon Posters	OME RECEPTION IN EXHIBIT [Presenting Authors availal I Programs [Presenting Auth	ole] Poster Lounge	inge					
4:30 PM — 6:00 PM			Task Group Reports (TG 234, TG 325, and TG 336)	Insights from Two AAPM Grand Challenges in AI for Medical Physics: Actinium-225 Quantification and Generalizable Radiotherapy Dose Prediction	Multi-task/Multimodal Al in Radiation Therap					
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	PROFESSIONAL	DIAGNOSTIC AND INTERVEN	TIONAL RADIOLOGY PHYSICS	RADIOPHARMACEUTICALS	THERAPY PHYSICS					
	ROOM 201	ROOM 207A	ROOM 206	ROOM 207B	ROOM 202					
7:30 AM — 8:25 AM	The Workforce Dilemma: How Necessity Is Driving Innovative Roles in Radiation Care	Image Guidance for Surgical and Other Interventions	Advances in MRI for Neurological Disorders, Tumors, and Treatment Response	Fostering Future Medical Physicists: Interdisciplinary Approaches in Physics Education	Functional Imaging					
8:35 AM — 9:30 AM	Insights Into the Current State of the Imaging Physics Workforce	Emerging Imaging Technologies	Dollars and Displays in the Remote Environment - Mammography and Beyond	Navigating a RPT Medical Event	Revolutionizing Imaging and Therapy with Large Foundation Models					
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	9:0	BO AM — 10:15 AM COFFEE BREA	K IN EXHIBIT HALL VISIT THE T	ECHNICAL EXHIBITS						
9:30 AM — 10:15 AM	Best of Professional [Presenting Authors available] Exhibit Hall Poster Lounge POSTER VIEWING (Viewable online via the meting app and website)									
10:30 AM — 12:00 PM	President's Symposium: Coming Together to Forge Ahead in Medical Physics Moderator: M. Mahesh Speakers: S. Parikh, C. Meltzer Ballroom AB									
	12	2:15 PM — 1:30 PM LUNCH BREA	K IN EXHIBIT HALL VISIT THE T	ECHNICAL EXHIBITS						
1:30 PM — 2:25 PM	A Guide to an Equitable and Efficient Hiring Process	Novel X-Ray Sources and Their Applications	ACR Data Science Institute: Blazing the Trail for Responsible Use of Al in Radiology	Radiobiology Basics for Radiopharmaceutical Therapy	Movie Night TED Talks: Guardians of the Galaxy of Knowledge					
2:35 PM — 3:30 PM	Advocacy in Action: The Role of Medical Physicists in Driving Change Translation of Contrast Enhanced Mammography to the Clinic		Monitoring Al Performance	Radiopharmaceutical Therapy	Imaging in Particle Therapy					
	3:	30 PM — 4:30 PM COFFEE BREAK	(IN EXHIBIT HALL VISIT THE TE	CHNICAL EXHIBITS						
3:30 PM — 4:30 PM	BEST IN PHYSICS RECEPTION Best in Physics [Presenting Authors available] Exhibit Hall Theater Blue Ribbon Posters [Presenting Authors available] Exhibit Hall Poster Lounge									
4:30 PM — 6:00 PM	Across the Rainbow: Creating Safe Space for Everyone	From Screening to Biopsy: Clinical Pathways in Breast Imaging	AAPM and MIDRC: A Data Science Partnership to Advance Al in Medical Physics	Building a Radiopharmaceutical Therapy Program and Expanding to Clinical Trials	Advances in Auto- Segmentation and Evaluation for Clinical Radiotherapy Applications					
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6:30 PM — 9:00 PM			EMONY & RECEPTION CONVEN Ab, Level 3 Reception: Bali							

				EARLY CAREER-MENTOR ROOM					
ROOM 204	BALLROOM C	ROOM 209	INNOVATION ROOM	SALON C					
Al in the Clinic	Reirradiation: Clinical Practice and Research Guidance	FLASH		7:30 AM – 8:00 AM Student & Trainee Morning Debrief					
	0	•							
FLASH Dosimetry	Session in Memory of Ben J. Mijnheer, PhD: Joint AAPM-ESTRO Reirradiation Challenges and Approaches to Radiobiology, Modeling and Registries	CBCT/CT in RT	9:45 AM – 10:15 AM Vendor Showcase IBA	8:30 AM – 9:30 AM Exhibit Hall Student Guided Tours					
	9:30 AM — 10:15 AM COF	FEE BREAK IN EXHIBIT HALL VISIT	THE TECHNICAL EXHIBITS						
		enting Authors available] Ex iewable online via the meting							
President's Symposium: Coming Together to Forge Ahead in Medical Physics Moderator: M. Mahesh Speakers: S. Parikh, C. Meltzer Ballroom AB									
	12:15 PM - 1:30 PM LUN	CH BREAK IN EXHIBIT HALL VISIT	THE TECHNICAL EXHIBITS						
Physicist's Guide to Flash Radiotherapy: Uncovering Mechanisms, Evidence, and Future Pathways	The Future of Al in Radiation Oncology	Emerging Imaging Technologies	12:15 PM — 1:15 PM Vendor Showcase Elekta	Student & Trainee Luncheon, ticket required 1:30 PM – 2:30 PM Resident & Prospective Applicant Connect					
In Memoriam of Nagalingam Suntharalingam, PhD: Pillars of High-Quality Cancer Care	Medical Physicists Leading Clinical Trials: Insights for Future Trial Leaders	Therapy I	2:30 PM – 3:30 PM Partners in Solutions Therapy: SRS Solutions						
	3:30 PM — 4:30 PM COFF	EE BREAK IN EXHIBIT HALL VISIT	THE TECHNICAL EXHIBITS						
	Best in Physics [Pres	BEST IN PHYSICS RECEPTION ienting Authors available] Exenting Authors available] Exenting Authors available] Exenting Authors available] Exenting Authors available]	xhibit Hall Theater						
Beyond Metastases: The Power of Stereotactic Radiosurgery in the Management of Functional Disorders, Vascular Anomalies, and Benign Intracranial Tumors	Joint AAPM-ASTRO Clinical Trial Session: Adaptive, Biomarkers, and Immunotherapy	СТ		Speed Mentoring at the AAPM Annual Meeting! REGISTRATION IS REQUIRED					

AAPM 2025 PROGRAM-AT-A-GLANCE

TUESDAY | JULY 29

	PROFESSIONAL	DIAGNOSTIC AND INTERVEN	TIONAL RADIOLOGY PHYSICS	RADIOPHARMACEUTICALS	THERAPY PHYSICS	THERAPY	Y PHYSICS	SNAP ORALS	PINS VENDOR SHOWCASE	EARLY CAREER-MENTOR ROOM
	ROOM 201	ROOM 207A	ROOM 206	ROOM 207B	ROOM 202	ROOM 204	BALLROOM C	ROOM 209	INNOVATION ROOM	EXHIBIT HALL POSTER LOUNGE
7:30 AM — 8:25 AM	Pulling Back the Curtain on Clinical Trial Data	Breast Imaging	Ultrasound Specialty Program Scientific Session The Latest and Greatest!	Session In Memory of Guy H. Simmons, Jr., PhD: International Council Symposium - Workforce Challenges and Opportunities in Theranostics	Recent Progress in Quantitative CBCT	Advances in Brachytherapy	A Work of ART: Implementing a Safe, High-Quality Adaptive Program	Therapy II		7:30 AM – 8:00 AM Student & Trainee Morning Debrief
8:35 AM — 9:30 AM	Safety Is As Simple As I, II, III: Medical Physics Is Ready to Adopt New Ideas about Risk	In Memoriam of Willi A. Kalender: Innovator in CT imaging	Ultrasound Specialty Program Symposium Zagzebski- Carson Ultrasound Distinguished Lectureship	Best Practices for AI Research and its Clinical Adoption (SNMMI)	CBCT in RT	Spatially Fractionated Radiation Therapy	Adaptive Radiation Therapy Planning: Practical Considerations When Planning for the Unexpected	MRI in RT		AAPM Medical Physics Student Meeting The Art of Communication in Medical Physics: Bridging Science and Patient Care
	9:	30 AM — 10:15 AM COFFEE BREA	K IN EXHIBIT HALL VISIT THE	TECHNICAL EXHIBITS			9:30 AM — 10:15 AM COI	FFEE BREAK IN EXHIBIT HALL VISI	T THE TECHNICAL EXHIBITS	
9:30 AM — 10:15 AM	Expanding Horiz	ons Travel Grant Poster Pres POSTER VIEWING (Vie	sentations [Presenting Auth wable online via the metin		II Poster Lounge	Expanding H		resentations [Presenting Authoriewable online via the metin		Poster Lounge
10:15 AM — 11:10 AM	Upgrading Radiation Oncology Information System (ROIS): Checklist and Procedures	MedPhys SLAM	Ultrasound Specialty Program Symposium Recent Advances in Ultrasound Therapy- Mechanical and	Advanced Methods for Dosimetry in 90Y-Radioembolization	Image-Guided Treatment for Mobile Targets SBRT: Surrogates and Margins	Radiobiology and the Immune Systems	Adaptive Radiation Therapy	Response Assessment	10:15 AM – 11:15 AM Guided Tour - Imaging: Radiation Dose Monitoring	
11:20 AM — 12:15 PM	Medical Physicists' Evolving Roles in a Transforming Radiation Therapy Landscape	•	Thermal Mechanisms	Pediatric Imaging and Therapy Considerations	Targeting the Invisible: Al-Powered Real- Time Markerless Tumor Tracking During Radiation Therapy	Advances in Dosimetry	Modeling Outcomes and Toxicities	Al, Dosimetry, and Optimization in Diagnostic and Interventional X-Ray Imaging	11:15 AM – 12:15 PM Guided Tour Therapy: In Vivo Dosimetry Solutions	
	1	2: 15 PM — 1:30 PM LUNCH BREA	K IN EXHIBIT HALL VISIT THE T	ECHNICAL EXHIBITS			12:15 PM — 1:30 PM LU	NCH BREAK IN EXHIBIT HALL VISIT	THE TECHNICAL EXHIBITS	
1:30 PM — 2:25 PM	The Evolving Landscape of Medical Physics Publishing	Sustainability in Medical Physics: Environmentally Conscious Scanner Operation, Upgrades, and Procurement	Ultrasound Specialty Program Symposium Thermoacoustic/ Photoacoustic Imaging and Application to Radiation Therapy	Sources and Propagation of Uncertainties	Science Council Session Innovating Together: Breakthrough Science through Cross-Disciplinary Collaboration	Democratizing Proton Therapy	Digital Twins for Precision Oncology: Bringing R&D to Clinical Practices	Proton Therapy	12:30 PM – 1:30 PM Vendor Showcase Bayer	
2:35 PM — 3:30 PM	Three Programs and One Mission: Mentorship and Fostering Professional Growth within and Beyond the AAPM	Latest Advancements in Al for X-Ray Imaging		Pharmacology Concepts for Medical Physicists		A Review of Variable RBE Models for Proton Therapy	The Anne and Donald Herbert Distinguished Lectureship in Modern Statistical Modeling	Radiation Biology, Modelling and Measurement	1:30 PM – 2:30 PM Partners in Solutions Imaging: Automated Stroke Detection	3:00 PM – 4:00 PM Technical Writing Workshop
		:30 PM — 4:30 PM COFFEE BREAI	(IN EVUIRIT WALL I VISIT THE T	ECUNICAL EVUIRITS		0		FEE BREAK IN EXHIBIT HALL VISIT		
3:30 PM — 4:30 PM	,	Blue Ribbon Posters [Prese	POSTER RECEPTION					POSTER RECEPTION senting Authors available] E		
4.001111		-	HALL CLOSES AT 4:30 PM	Exhibit fraii 1 osfer 2001ige			Dide Massell Fosters (Free	EXHIBIT HALL CLOSES AT 4:30 PM	, ,	
4:30 PM — 6:00 PM	New Professional Symposium: Own Your Success - Evaluations, Promotions, and Expert Insights 6:00 PM – 7:00 PM Reception:	Joint SIIM-AAPM Symposium: The Medical Physicist's Role in Clinical Al Deployment and Support	Ultrasound Specialty Program Symposium Ultrasound QA/QC Workshop	Total Body PET/CT Imaging: Current and Future Status of This Technology Innovation	Transforming Radiation Therapy: Taking the Next Step with Dual Energy and Multi- Spectral CT	Motion Management: Troubleshooting 101	Imaging Biomarkers for Radiotherapy: From Quantification to In Vivo Validation	Advances in Therapy and Multi-D Science		AAPM Seed Grant Session
	Room 201 Foyer	Û	Ü			0	Û			U
9:30 PM		CLOSING CELEBRATION	MARIOTT MARQUIS LIBERT	Y BALLROOM, LEVEL M3			CLOSING CELEBRATI	ON MARIOTT MARQUIS LIBERTY	BALLROOM, LEVEL M3	

	PROFESSIONAL	DIAGNOSTIC AND INTERVEN	RADIOPHARMACEUTICALS	THERAPY PHYSICS	
	ROOM 201	ROOM 207A	ROOM 206	ROOM 207B	ROOM 202
7:30 AM — 8:25 AM	Future Directions in Medical Physics Education and Training with a Special Emphasis on Low to Middle Income	Effective Quality Management for DXA: What Physicists Need to Know	Where Are We with Tracking Routine QC for Diagnostic Imaging Using Software-Based Tools?	Specifics of Alpha-Emitter Radiopharmaceutical Therapy	Modeling the Future: Integrating Biology, AI, and Medical Physics in Personalized Radiation Therapy
	Countries (LMICs)	0	0	0	
		8:25 AM — 9:00 AM	COFFEE BREAK FOYER - 3RD F	LOOR	
9;00 AM — 10:00 AM			CLOSING KEYNOTE mostics is Changing the Go lahesh Speakers: A. Char		0
10:05 AM — 11:00 AM	Your Educator Toolkit	Patient-Specific Dose in CT: Is It a Reality Now? Advanced Clinical MRI Physics for Quantitative Imaging and Emerging Technologies Nuclear Medicine Diagnostic and Imaging Technologies			
11:05 AM — 12:00 PM	Challenging Cases in Leadership and Professionalism	A Practical Introduction to Utilizing Radiation Dose Management Systems: IAEA Recommendations	Advancements in Quantitative and Spectral CT: Imaging, Analysis, and Quality Assessment	Quality Control Testing of Solid-State Gamma Camera Systems	Simulation-Less Radiotherapy Treatments: Challenges and Solutions
		12:00 PM — 1	:00 PM LUNCH ON YOUR OWN		
12:05 PM — 1:00 PM	Reimbursement Changes That Impact You	Al-Based Advances in MRI Image Formation and Reconstruction	Photon Counting CT	Radiopharmaceutical Devices for Cancer Treatment	JACMP Parallel Opposed Debate 2025
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1:05 PM — 2:00 PM	"I Watched Chernobyl on HBO. Is That a GM Detector?": Communicating Brachytherapy with Relevant Stakeholders	Session in Memory of Robert G. Waggener, PhD: Digital Radiography Fundamentals - Image Processing and Practice Optimization	3D-Printing: Manufacturing the Future of Medical Physics	History Symposium: Neutrons in Radiation Therapy from Early Developments to the Latest Equipment & Trials	Techniques and Applications of Synthetic Images in Radiation Oncology
2:05 PM — 3:00 PM	Navigating Freelance and Consulting Careers: From Side Hustles to Full-Time Success	CMS Quality Measure Reporting: Preparing for the Storm	Joint Diagnostic- Therapy Symposium: Radiomics - Validation Needed to Facilitate Clinical Application	New Radionuclides for Radiopharmaceutical Therapy	Image Synthesis
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3:05 PM — 4:00 PM	Ethical Considerations in the Use of AI in Medical Physics: Balancing Innovation and Responsibility	Highlights from the 17th International Workshop on Breast Imaging	New Developments in CT Technology	Current Status of Clinical Trials in Radiopharmaceutical Therapy	Image Processing
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