SESSIONS OF NOTE

PROFESSIONAL | BUNDRED EDUCATION | BUNDRED SCIENTIFIC | MAX PODDIPUNAPAT SCIENTIFIC | THERAPY SCIENTIFIC | THERAPY EDUCATION | SPECIALTY PROGRAM (Thoracic Tumor Board and Interventional Therapy) | EXHIBIT HALL

64th Annual Meeting Program

Sunday, July 10

7:30 AM - 9:30 AM	**International Council Symposium** **Medical Physics Awareness in the Global Context** Moderator: J Palta Speakers: J Van Dyk, W Ngwa, S Parker Location: Ballroom B
8:00 AM - 10:30 AM	**Annual Student Meeting** **2022 Annual Student Meeting: Global Medical Physics: Experiences, Lessons, and Getting Involved** Moderators: R Kotsay, S Wang Speakers: W Ngwa, A Yorke, A Bulnteshi, S Avery Location: Ballroom C
9:00 AM - 10:30 AM	**Education Council Symposium** **Celebrating Medical Physics Educators: Transformative leaders in Medical Physics Education** Moderator: J Pfeiziendorp Speakers: M Giger, T Fahey, G Starkschall Location: Ballroom B
10:30 AM - 11:30 AM	**JAM Council Symposium** **Celebrating the Recent Accomplishments of the AAPM** Moderator: J Pfeiziendorp Speakers: D Scanderbeg, S Avery, J Holoski, M Giger Location: Ballroom B
11:30 AM - 12:30 PM	Professional Council Symposium **In Memory of George Sherouse - Transforming Human Health Through Clinical Practice** Moderator: J Clements Speakers: J Clements, M Kessler, D Parcell, P Halvorsen Location: Ballroom B

12:30 Exhibit Hall Opens | Refreshment Break in Exhibit Hall

	BOOTH 204	BOOTH 207	BOOTH 211	BALLROOM A	BALLROOM A	BALLROOM B	BOOTH 202	EXHIBIT HALL
1:00 PM - 2:00 PM	Therapy SHAP Oral **Advances in Treatment Planning I** Moderators: Z Lasby, M Markopoulos	Imaging SHAP Oral **MRI: New Algorithms, Techniques, and Applications I** Moderators: C Morrison, P Kinahan	Imaging SHAP Oral **CT and CBCT: New Technologies, Algorithms, and Emerging Applications I** Moderators: J Stayman, T Chen	Therapy SHAP Oral **FLASH RT - Instrumentation and Dosimetry** Moderators: B Pogue, S Jain	Therapy SHAP Oral **Quality and Safety in Radiotherapy I** Moderators: T Pawlicki, S Dieterich	Multi-Disciplinary SHAP Oral **AI/ML Autoplanning, Autosegmentation, and Image Processing I** Moderators: P Tiwari, L Xing	Specialty Program The New Era of Radiopharmaceutical Therapy SNAP Oral **Radiopharmaceutical Therapy Dosimetry** Moderators: O Morelaw, J Brosch-Lenz	
2:00 PM - 3:00 PM	Multi-Disciplinary SHAP Oral **Imaging for Treatment Assessment and Outcome Modeling** Moderators: M Lawless, R Howell	Imaging SHAP Oral **MRI: New Algorithms, Techniques, and Applications II** Moderators: S Brahim, P Hou	Imaging SHAP Oral **CT and CBCT: New Technologies, Algorithms, and Emerging Applications II** Moderators: K Tang, R Chakker	Multi-Disciplinary SHAP Oral **Functional, Biologic and Anatomic IGRT** Moderators: K Kazea, F Castillo	Therapy SHAP Oral **Quality and Safety in Radiotherapy II** Moderators: E Ford, J Hanson	Multi-Disciplinary SHAP Oral **AI/ML Autoplanning, Autosegmentation, and Image Processing II** Moderators: R Berbeco, Q Wu	Specialty Program The New Era of Radiopharmaceutical Therapy SNAP Oral **Advanced Imaging Applications for Radiotherapy** Moderators: B Miller, A Bertolet	

2:00 – 4:00 Refreshment Break in Exhibit Hall (Refreshment Breaks, ePosters and Technical Exhibits)

3:30 PM - 4:00 PM SHAP	**BEST OF PHYSICS** Presenting Author available Location: ePoster Theaters in the Exhibit Hall							
4:00 PM - 5:00 PM SHAP	**BEST OF PHYSICS** Presenting Author available Location: ePoster Theaters in the Exhibit Hall							
4:00 PM - 5:00 PM SHAP	**BLUE RIBBON ePOSTER** Imaging	Health Dosimetry	Therapy Location: ePoster Theaters in the Exhibit Hall					
5:00 PM - 6:00 PM	Therapy SHAP Oral **Treatment Planning and Delivery in Particle Therapy** Moderators: K Langen, B Teo	Imaging SHAP Oral **Emerging and Pre-clinical Imaging Technologies** Moderators: R Lamsweerde, A Kapadia	Imaging SHAP Oral **Radiography and Fluoroscopy** Moderators: K Little, A Tao	Therapy SHAP Oral **Applications of AI in Radiotherapy Planning and Adaptation** Moderators: L Ren, D Ruan	SAM Therapy Scientific Symposium **The Need for Robust Dosimetry of Flash Beams** Moderator: D Mihailidis Speakers: M McEwen, A Subiel, A Mascia	**MedPhys SLAM**	Multi-Disciplinary SHAP Oral **Emerging Imaging, Therapy, and Dosimetry Solutions I** Moderator: J Dolan, P Fahey	
6:00 PM - 6:00 PM	Therapy SHAP Oral **Radiobiology Modeling Biologically-Guided RT** Moderators: D Carlson, M Guerrero	Therapy SHAP Oral **Adaptive Planning** Moderators: A Beserme, R Flynn	Imaging SHAP Oral **Radiation Dosimetry** Moderators: K Kanal, S Brady	Multi-Disciplinary SHAP Oral **CT and MR-Guided Adaptive RT** Moderators: P Ma, S Hejazi-Davarani	SAM Therapy Scientific Symposium **Biomathematical Modeling for Individualized and Targeted Cancer Treatment** Moderator: D McClatchy Speakers: J Scott, C Grassberger, W Ngwa		Multi-Disciplinary SHAP Oral **Emerging Imaging, Therapy, and Dosimetry Solutions II** Moderators: C Mao, J Andreozzi	

Monday, July 11

	BOOTH 204	BOOTH 207	BOOTH 211	BALLROOM C	BALLROOM A	BALLROOM B / STREAMING ROOM	BOOTH 202	EXHIBIT HALL
7:30 AM - 8:30 AM	SAM Professional Symposium **Exciting as a Medical Physicist Outside the Clinic** Moderator: C Grazier Speakers: S Mutic, H Whitney, Y Lee	SAM Imaging Educational Course **Cardiac Imaging** Moderator: S Leng Speakers: E Williamson, Z Qi, B Muthupillai, S Leng	SAM Imaging Scientific Symposium **Interventional Imaging** Moderator: T Reynolds Speakers: E Li, A Martin, T Reynolds, B Pogue	Multi-Disciplinary Scientific Session **Machine Intelligence Efficacy and Quality I** Moderators: A Yock, Y Rao Multi-Disciplinary Scientific Session **Machine Intelligence Efficacy and Quality II** Moderators: Y Watanabe, X Qi	SAM Therapy Educational Course **Current Challenges and Prospects in Motion Management for Radiotherapy** Moderator: D Carlson Speakers: J Cammin, J Berthelet, B Teo, P Poulsen	SAM Therapy Scientific Symposium **Joint AAPM-ESTRO Symposium: FLASH-from Experimental Beam Lines to the Clinic** Moderators: C Ciocca, N Jornet Speakers: B Sorensen, E Diffenderfer, A Lomax, C Simone	SAM Joint Imaging / Therapy Educational Course **Imaging for Radiation Therapy: Challenges and Solutions** Moderators: K Kappadath, J Sigaowski Speakers: T Szczepkowicz, S Gardner, N Tyng, S Bowers, T Pan	Vendor Showcase	RADIOMICS BOOTH
8:30 AM - 9:30 AM	SAM Professional Symposium **Clinical-Industry Partnerships** Moderator: B Cai Speakers: B Cai, L Henke, T Li, K Brown							**MIM Software, Inc. - Overcoming Peer Review Challenges with MIM Harmony**
9:30 AM - 10:00 AM SHAP / MPD	**BEST OF PROFESSIONAL** Presenting Author available Location: ePoster Theaters in the Exhibit Hall - Forum 1							

9:30 – 10:15 Coffee Break in Exhibit Hall

10:15 AM - 12:15 PM	President's Symposium **Important Conversations: The Alzheimer's Epidemic – Patient Engagement – AAPA-R and Cancer Moonshot** Moderator: J Bourland, J Spencer, J Boulanger, D Rhee, B Mirkin, T Schwartz Location: Ballroom BC							

12:15 – 1:45 Lunch Break • Visit the Technical Exhibits

1:45 PM - 1:45 PM SHAP / MPD	**BEST OF PROFESSIONAL** Presenting Author available Location: Exhibit Hall (ePoster Theaters - Forum 1)							Vendor Showcase | INNOVATION BOOTH 1 | 12:15 PM - 1:45 PM **Siemens Healthineers - Adaptive Radiotherapy Contouring Algorithm** Vendor Showcase | INNOVATION BOOTH 2 | 12:15 PM - 1:45 PM **GE Healthcare - Pelvic Lymph Node Contouring Atlas** **CT Medical Technologies, Inc - Gamma-Ray Therapy Left Bank 2-Gives**
1:45 PM - 2:45 PM SHAP / MPD	**BEST OF PROFESSIONAL** Presenting Author available Location: Exhibit Hall (ePoster Theaters - Forum 1)							
1:45 PM - 2:45 PM	SAM Professional Symposium **Advancing EDI at Every Level of Med Phys Part 1: For Trainees, the Workplace and Beyond** Moderator: R Castillo Speakers: R Castillo, K Parodo, V Ainsworth	SAM Imaging Educational Course **AI/Roots and Image Quality Issues in MRI Advanced/Rapid Techniques** Moderators: N Tonnaski, T Andrews Speakers: T Andrews, Y Zhu, N Tonnaski, M Geneva	**Arthur Boyer Award for Innovation in Medical Physics Education** Moderator: Y Mantemayer	Multi-Disciplinary Scientific Session **Novel Imaging and Therapy Solutions** Moderators: W Yang, A Gullerova	SAM Therapy Educational Course **Recent Task Groups on the Use of MR in External Beam Radiotherapy: TG 284 and 294** Moderator: N Tyagi Speakers: T Hu, C Glide-Hurst, K McGee	**Early-Career Investigator Symposium** Moderators: E Ellenbaum, M Podgorsak	Therapy Scientific Session **Impacting Global Health Through Medical Physics** Moderators: L Court, A Yorke	RADIOMICS BOOTH 1 **Varian - Varian Imaging** **Respiratory Motion Management System** Moderators: C Peeler, D Schofield Speakers: C Peeler, R Vincelette, S Mutic, P Berry, R Wagner, M Milling RADIOMICS BOOTH 2 | 1:45 PM - 3:30 PM **Varian - Varian Imaging** **3D Mammography** Moderators: J Brown, Y Liu Speakers: J Brown, M Rudolph, T Hunt, R Gardiola
2:45 PM - 3:45 PM				Multi-Disciplinary Scientific Session **MR-Linac Planning and Delivery** Moderators: M Cao, E Ghazal	SAM Therapy Educational Course **Recent Task Group Reports on Brachytherapy: TG-222 and TG-303** Moderators: J Pfeiziendorp Speakers: H Zhang, W Feng, K Hwang, J Zabel		Therapy Scientific Session **Novel Technology and Applications** Moderators: M Huang, Y Kuang	
3:45 PM - 4:15 PM SHAP	**INTERACTIVE ePOSTER DISCUSSION** Imaging | Multi-Disciplinary | Therapy Location: ePoster Theaters in the Exhibit Hall							

3:45 – 4:30 Refreshment Break in the Exhibit Hall

4:30 PM - 5:30 PM SHAP	**BLUE RIBBON ePOSTER** Imaging | Multi-Disciplinary | Therapy Location: ePoster Theaters in the Exhibit Hall							
4:30 PM - 6:00 PM	International Program **Addressing Global Needs in Medical Physics Support** Moderator: E Gel, W Ngwa Speakers: E Gel, C Tsouvernikof, W Ngwa, E Poirier, A Yorke, I Bometo, C Delis Blanca	SAM Imaging Educational Course **CT Protocol Optimization for the Real World** Moderator: T Szczepkowicz Speakers: C Jensen, N Beckmann, C Bartek, T Szczepkowicz	SAM Imaging Scientific Symposium **Attenuation Correction in PET and SPECT with and without Transmission Imaging** Moderator: Y Tao Speakers: M King, T Pan, J Yang, Y Du	Multi-Disciplinary Scientific Symposium **Grand Challenges: Deep Learning-Spectral CT, Tuth-based CT, and SUPERGE 99mTcm-99 Molecules** Moderators: L Ametis, K Farahani Speakers: S Ametis, K Farahani, E Sidky, J Wang, K Earnel, D Alvarez	SAM Therapy Educational Course **Managing Implanted Devices** Moderator: M Chan Speakers: S Lim, S Kry, C Shi, M Chan	Multi-Disciplinary Scientific Symposium **Grant Funding Symposium: Pearls and Pitfalls** Moderators: A Sawant, C Glide-Hurst Speakers: C Obcemea, I Hancu, J Lewandowski, A Sawant, E Brock	Specialty Program The New Era of Radiopharmaceutical Therapy **Medical Physics Cross-Specialization in the Era of Radiotherapeutics** Moderator: C Bavas Speakers: C Bavas, M Stabin, M Martin, O Morelaw, M Mathew	

6:30 - 8:00 AAPM Awards Ceremony - Marquis Ballroom (Meeting level 2), Marriott Marquis, followed by a reception, Independence Ballroom (Meeting level 4), Marriott Marquis, 8:00 - 9:00

Tuesday, July 12

	BOOTH 204	BOOTH 207	BOOTH 211	BALLROOM C	BALLROOM A	BALLROOM B / STREAMING ROOM	BOOTH 202	EXHIBIT HALL
7:30 AM - 8:30 AM	SAM Professional Symposium **Mentorship: Revealing Ethical and Beyond Careers** Moderators: K Sheng, K Sung, J Holoski Speakers: K Sheng, K Jia, B Pogue, M Basalova-Carter, K Sung, Y Lee, J Dragojevic, G Adzovic, P Taylor, J Holoski	SAM Imaging Educational Course **Advanced MR in the Clinic** Moderator: H Liu, X Zhou Speakers: D Tuan, X Zhou, Y Jung, H Liu, C Lin, S Brahim	SAM Imaging Scientific Symposium **Virtual Clinical Trials** Moderators: E Samei, L Ren Speakers: E Samei, L Ren, A Maidment, A Badano	SAM Multi-Disciplinary Scientific Symposium **Biomarkers of Response to Radiation and Immune Modulating Therapies for Lung and Other Thoracic Malignancies** Moderators: D Brown, J Bowen Speakers: D Marshall, M Farwell, R Li, A Wu, K Schapper, S Bowen	SAM Therapy Educational Course **Emerging and Re-Emerging Brachytherapy Treatments** Moderators: D Hoe, A Damato Speakers: A Damato, E Abbaszadeh Engel, R Roberts, J Pfeiziendorp, D Hoe, D Arambula Nuñez	SAM Joint Imaging / Therapy Educational Course **Advances in Breast Cancer Diagnosis and Treatment: Mammography, Breast Biopsy, SBRT, APBI** Moderators: S Tao, I Reiser Speakers: S Chou, C Green, I Reiser, S Tao, Y Zhang, P Poenisch	Multi-Disciplinary Scientific Session **Imaging for Treatment Planning** Moderators: S O'Reilly, G Zeng	
8:30 AM - 9:30 AM							Multi-Disciplinary Scientific Session **Advances in SRS/SBRT** Moderators: P Hill, L Wang	
9:30 AM - 10:30 AM	**EXPANDING HORIZONS** 9:30 - 10:30 AM Exhibit Hall (Technical Exhibition - Forum 1) Presenting Authors available							
10:30 AM - 11:00 AM	**INTERACTIVE ePOSTER DISCUSSION** Imaging | Multi-Disciplinary | Therapy | Professional Location: Poster in the Exhibit Hall							
11:00 AM - 11:00 AM	**VISIT THE VENDORS** Technical Exhibition Hours							

9:30 – 11:00 Coffee Break | Visit the Vendors in Exhibit Hall

11:00 AM - 12:15 PM	History Symposium **Developments in the Historical Evolution of Medical Physics: Radiation Therapy Dose Prescription and Ultrasound Imaging** Moderator: S Tabakov Speakers: D Orton, S Tabakov, J Rothenberg, C Ling	SAM Imaging Educational Course **The Use of Cumulative Effective Dose - An Ethical Debate** Moderator: E Samei Speakers: M Behen, R Milman	Imaging Scientific Session **Functional Lung Imaging** Moderators: I Reiser, J Sechopoulos	Multi-Disciplinary Scientific Symposium **The Anne and Donald Herbert Distinguished Lectureship in Modern Statistical Modeling** Moderator: B Mohan Speakers: B Mohan, S Bentzen	SAM Therapy Educational Course **MOC - Who is Who in Support of NCI Clinical Trials** Moderators: K Smith, P Taylor Speakers: S Kry, K Smith, Y Xiao, M Bass	SAM Multi-Disciplinary Scientific Symposium **AI Clinical Translation: Opportunities and Pitfalls** Moderator: S Jiang Speakers: N Veeraraghavan, T Purdie, J Fong, S Jiang	SAM Specialty Program The New Era of Radiopharmaceutical Therapy **ICRU Report on Dosimetry-Guided Radiopharmaceutical Therapy** Moderator: R Howell Speakers: R Howell, R Hobbs, Y Devarajo, K Sjogreen Gleisner, R Hobbs, Y Devarajo	

12:15 – 1:45 Lunch Break | Visit the Technical Exhibits

1:15 PM - 1:45 PM SHAP	**INTERACTIVE ePOSTER DISCUSSION** Imaging | Multi-Disciplinary | Therapy | Professional Location: Poster in the Exhibit Hall							
1:45 PM - 2:45 PM	SAM Professional Symposium **Developments in the Historical Evolution of Medical Physics: Radiation Therapy Dose Prescription and Ultrasound Imaging** Moderator: S Tabakov Speakers: D Orton, S Tabakov, J Rothenberg, C Ling	SAM Imaging Educational Course **Head With an Expert: Mammography** Moderator: S Chou Speaker: S Chou	SAM Imaging Scientific Symposium **Advances in Magnetic Resonance Imaging** Moderator: Y Tang Speakers: Y Cao, Y Hu, K Lofland, J Cai	SAM Therapy Educational Course **Brain Mets Management: Registries and Randomized Trials in Longitudinal Assessment** Moderators: E Bernstein, T Li Speakers: E Bernstein, W Shi, G Schlesinger, H Lin, X Gu, T Li	Therapy Scientific Session **Space-time Modulation of Treatment** Moderators: M Kim, S Mazumdar Therapy Scientific Session **Advances in Safety** Moderators: D Jacquin, S Simiele	Science Council Session **Advancing Science to Expand Access to State-of-the-Art Applications in Medical Physics** Moderators: K Brock, J Seuntjens	SAM Specialty Program The New Era of Radiopharmaceutical Therapy **The INMM Joint 177 Dosimetry Global Challenge: Results and Conclusions** Moderator: Y Devarajo Speakers: Y Devarajo, R Daniel, W Erwin, C Tilke	SAM Educational Topic Specific Guided Tours Therapy **Hypofractionated Breast Radiotherapy** Moderators: B Chang, K Cuaron Speakers: B Chang, J Hamilton, C Bishopsel, C Grazier, A Nagle BOOTH 209A *Limited Capacity: First Come, First Served*
2:45 PM - 3:45 PM	SAM Professional Symposium **Recruitment and Applications from Great School through Early Career: Both Points of View** Moderators: J Wilson, D Pearson Speakers: K Hendricken, R Rodgers, F Juang, T Ritter, Y Perry, J Brindle, K Covington	SAM Imaging Educational Course **Ultrasound Elastography in the Clinic** Moderator: F Long Speakers: S McAleavey, Rosado-Mendez, Z Long		SAM Therapy Educational Course **Brain Mets Management: Registries and Randomized Trials in Longitudinal Assessment** Moderators: E Bernstein, T Li Speakers: E Bernstein, W Shi, G Schlesinger, H Lin, X Gu, T Li			SAM Specialty Program The New Era of Radiopharmaceutical Therapy **New IAEA Programs and Projects on Radiopharmaceutical Therapy** Moderator: R Hobbs, P Knoll Speakers: P Knoll, Y Devarajo, K Sjogreen Gleisner, R Hobbs	**Independent Dose Verification Solutions** Moderators: B Mihailidis, J Dolan Speakers: J Dolan, T Bringer, S Hanna, B Basta, R Shorna BOOTH 209B *Limited Capacity: First Come, First Served*
3:45 PM - 4:15 PM SHAP	**INTERACTIVE ePOSTER DISCUSSION** Imaging | Multi-Disciplinary | Therapy Location: Poster in the Exhibit Hall							

3:45 – 4:30 Refreshment Break in Exhibit Hall

4:30 PM - 5:30 PM SHAP	**BLUE RIBBON ePOSTER** Imaging | Multi-Disciplinary | Therapy Location: ePoster Theaters in the Exhibit Hall							
4:30 PM - 6:00 PM	SAM Professional Symposium **Advancing EDI at Every Level of Med Phys Part 2: for Trainees, the Workplace and Beyond** Moderator: A Mabhou Speakers: A Mabhou, L Warner, G Adzovic	SAM Imaging Educational Course **Imaging Dispositions** Moderator: A Bulnteshi, P Svoboda Speakers: S Brahim, R Selwyn, A DeSimone, O Peart	Imaging Scientific Symposium **Radiation and Ultrasound from Imaging to Therapy** Moderator: L Xiang Speakers: S Patch, S Malladi, P Song, L Xiang	SAM Therapy Educational Course **Integrating Omics in the Era of AI for Better Patient Specific Outcomes** Moderator: I El-Naqa Speakers: I El-Naqa, S Mathonen, L Wei, X Qi	SAM Therapy Scientific Symposium **Radiotherapy and the Immune System** Moderator: P Tran, M Scarpelli Speakers: C Guha, J Schoenfeld, A Marnoor	SAM Multi-Disciplinary Scientific Symposium **Medical Physics in Clinical Trials: Design, Quality Assurance, and NIH Programs** Moderator: Y Xiao Speakers: B Varian, I Shankar, J Capoula, R Sandoval, S Benedict, C Glide-Hurst, Y Xiao	SAM Specialty Program The New Era of Radiopharmaceutical Therapy **Radiobiology Issues Regarding Theranostic Radiopharmaceuticals** Moderator: J O'Donoghue Speakers: J O'Donoghue, R Hernandez, M Chernomordik, Z Norris	

7:00 – 10:00 AAPM Night Out | Smithsonian American Art Museum

Wednesday, July 13

	BOOTH 204	BOOTH 207	BOOTH 211	BALLROOM C	BALLROOM A	BALLROOM B / STREAMING ROOM	BOOTH 202	EXHIBIT HALL
7:30 AM - 8:30 AM	SAM Professional Symposium **Effective Communication about Radiation Dose and Radiation-Induced Risks for Pediatric Patients** Moderators: G Zhang, D Brown Speakers: T Atwood, L Stales, T Fahey, A Lubella	SAM Imaging Educational Course **ACR Updates including the new Stereotactic Breast Biopsy QC Manual** Moderator: D Gress Speakers: D Gress, I Bornefa, P Butler, O Morelaw, W Geiser, M Mahesh	Imaging Scientific Session **MRI Image Analysis and Quantitative Applications** Moderator: Q Yuan, N Tonnaski	SAM Multi-Disciplinary Scientific Symposium **From Pre-Clinical To Vet-Clinical Imaging and Therapy: Pathways to Clinical Translation** Moderators: K Wang, P Bayan Speakers: K Wang, J Wang, P Bayan, D Leary, E Seifring	SAM Therapy Educational Course **Artificial Intelligence for QA** Moderator: K Hesse Speakers: K Hesse, A Wittum, S Luk, C Gutfeler	Multi-Disciplinary Scientific Symposium **WIMS/AAPM Joint Symposium on Theranostics** Moderator: J Hoole Speakers: M Cremonesi, B Bednarz, C Chopke	Multi-Disciplinary Scientific Session **In vivo Imaging and Dosimetry for Monitoring Therapy** Moderators: P Kaoli, A Perez-Andujar Multi-Disciplinary Scientific Session **Imaging for Particle Therapy** Moderators: L Dong, J Daugherty	SAM Educational Topic Specific Guided Tours Imaging **Imaging Workflows Solutions** Moderators: J Dolan, T Bringer Speakers: J Dolan, T Bringer, S Hanna, B Basta, R Shorna BOOTH 209B *Limited Capacity: First Come, First Served*
8:30 AM - 9:30 AM								
9:30 AM - 11:00 AM								

9:30 – 11:00 Coffee Break | Visit the Vendors in Exhibit Hall

11:00 AM - 12:15 PM	Professional Symposium **Survival Guide in the Reimbursement Environment** Moderators: M Ferenci, A Wexler Speakers: B Sinha, C Mantz, W Fuss	SAM Imaging Educational Course **Dual Energy CT - Clinical Implementations and Remaining Challenges** Moderators: R Souza, B Layman Speakers: X Duan, M Jacobson, T Fletter	SAM Imaging Scientific Symposium **SIM-AAPM Joint Symposium: Machine Intelligence in Medical Imaging** Moderators: J Sieverstsen, P Hoge Speakers: P Hoge, S Armato, L Ren, D Krupinski	SAM Multi-Disciplinary Scientific Symposium **Machine Intelligence in Imaging for Treatment Response Assessment and Prediction: Implications for Adaptive and Implantation Therapy** Moderator: W Yang Speakers: J Wang, S Mathonen, W Yang	Therapy Scientific Session **FLASH – Platforms and Instrumentation** Moderators: M Bazalova-Carter, M Ashraf Therapy Scientific Session **Novel Radiotherapy Technologies and Techniques** Moderators: K Sheng, H Kang	SAM Therapy Educational Course **Eliminating Health Disparities in Clinical Trials: How can Physicists Contribute?** Moderators: K Pierzak, E Covington Speakers: C Chapman, P Taylor, H Whitney, J Spicer	Specialty Program The New Era of Radiopharmaceutical Therapy SNAP Oral **Radiopharmaceutical Therapy Dosimetry** Moderators: O Morelaw, J Brosch-Lenz Specialty Program The New Era of Radiopharmaceutical Therapy Scientific Session **Radioactive Microspheres and Nanoparticles** Moderators: D Alvarez, J Schuemann	SAM Educational Topic Specific Guided Tours Imaging **Independent Dose Verification Solutions** Moderators: B Mihailidis, J Dolan Speakers: J Dolan, T Bringer, S Hanna, B Basta, R Shorna BOOTH 209B *Limited Capacity: First Come, First Served*
12:15 PM - 1:45 PM								Vendor Showcase | INNOVATION BOOTH 2 **Varian - Varian Imaging** **The Impact and Benefits of MIM SurfaceCalc® MonteCarlo for Adaptive Assessment and Pre-Treatment Checks** 1:00 PM - 1:30 PM

12:15 – 1:45 Lunch Break | Visit the Technical Exhibits
(NOTE: ePosters and Exhibits close at 2:00 PM)

1:45 PM - 2:45 PM	Therapy Scientific Session **FLASH Radiotherapy - Radiobiology, Treatment Planning and Dosimetry - I** Moderators: A Sawant, A Yu	SAM Imaging Educational Course **Gonadal & Fetal Shielding Updates** Moderator: R Milman Speakers: J Elee, Y Thakur, Q Mazone, R Milman	SAM Imaging Educational Course **Fundamentals of Photon-Counting CT** Moderator: X Tang Speakers: J Maltz, R Rajendran, X Tang	SAM Imaging Educational Course **Advances in Image-Guided RT: Towards Real-Time and Biological Adaptation** Moderators: C Cozzens Speakers: T Stanescu, B Cai, C Cozzens, C Grassberger	SAM Therapy Educational Course **Enhancing a Physicist's Role in Radiation Therapy Treatment Plan Assessment** Moderators: L Olsen, T Parker Speakers: D Jacquin, M Kim, S Parker, B Juneja, G Kim, J Ibanez	SAM Professional Symposium **Ethics and AI in Radiology and Radiation Oncology** Moderators: A Elegal, J El-Aulin Speakers: K Osterman, D Zhang, M Hyun, T Langer	SAM Therapy Scientific Symposium **Biologically Weighted Robust Planning of Proton Therapy: Knowledge Gaps, Controversies and Solutions** Moderators: T Schuler, H Shen Speakers: W Liu, R Schulte, R Mohan, R Parod, A McNamara	
2:45 PM - 3:45 PM	Therapy Scientific Session **Advanced Preclinical and Clinical RT Strategies and Techniques** Moderators: J Sagowski, M Kim		Imaging Scientific Session **Advances in Photon-Counting Imaging** Moderators: M Badrani, X Wang	Multi-Disciplinary Scientific Session **Machine Intelligence in Treatment Planning and Segmentation** Moderators: M Chan, C Rajechko				

3:45 – 4:30 Refreshment Break | Level 3

4:30 PM - 4:30 PM	Professional Symposium **Medical Physics and the Journal of Applied Clinical Medical Physics: The Evolving World of Publishing** Moderators: M Mills, J Boone Speakers: M Mills, J Boone, S Benedict, S Hedrick	SAM Multi-Disciplinary Scientific Symposium **The Developing Role of Medical Physics and Imaging in Digital Pathology** Moderator: K Brock Speakers: A Ward, A Contreras, K Brock, M Traffe	SAM Imaging Educational Course **Ultrasound Performance Assessment and Quality Control** Moderator: Z Lu Speakers: Z Long, J Fowlkes, Rosado-Mendez, T Liu, S Dekker	SAM Therapy Educational Course **Solving a Better Safety Net** Moderators: E Ford, S Evans Speakers: J Meyer, Y Rong, M Wells, L Evans	SAM Therapy Scientific Symposium **AI-Empowered Clinical Decision Support for Personalized Radiation Therapy** Moderator: J Dang Speakers: C Shen, X Qi, Q Wu, J Deasy, J Dang	SAM Imaging Scientific Symposium **Photon-counting CT: Image Quality, Optimization, Novel Algorithms, and Emerging Clinical Applications** Moderator: X Tang Speakers: T Taguchi, X Pan, L Yu, A Wang	SAM Therapy Educational/Course **Cardiac Radiobiology: Expanding Access Across Many Centers via Outreach and Collaboration** Moderator: M Knutson Speakers: M Knutson, G Hugo, A Weiner	

6:15 - 7:30 AAPM Annual Business Meeting | Town Hall Meeting - AAPM Board of Director Members - Ballroom B

Thursday, July 14

	BOOTH 204	BOOTH 207	BOOTH 211	BALLROOM C	BALLROOM A	BALLROOM B / STREAMING ROOM	BOOTH 202	EXHIBIT HALL
7:30 AM - 8:30 AM	Multi-Disciplinary Scientific Session **Advances in Anatomic and Functional Image-guided Radiotherapy** Moderators: Y Vinogradskiy, K Vicente	Imaging Scientific Session **Multi-modality, Optical, and Emerging Technologies** Moderators: T Reynolds, S Molla	SAM Imaging Scientific Symposium **New Technologies in Breast Imaging** Moderator: A Sisniega Speakers: S Shaikeh, W Zhao, A Sisniega, M Traffe	Therapy Educational Course **Automated Planning: What Do Physicians Want?** Moderator: E Schreibmann Speakers: K Moore, L Court, N Kovachak, M Schmidt	SAM Therapy Scientific Symposium **Don't Miss a Beat: Addressing Cardiotoxicity in Cancer Therapies** Moderators: C Glide-Hurst Speakers: C Glide-Hurst, J Harms, R Howell Therapy Scientific Session **Clinical Dosimetry, Calibration, Shielding** Moderators: P Taylor, A Lalonde	SAM Therapy Scientific Symposium **Contouring Planning: Can You Handle a Ransomware Attack?** Moderator: E Sachs Speakers: T Ma, E Sachs, J Donaghue, M Tallmaer	Therapy Scientific Session **FLASH Radiotherapy - Radiobiology, Treatment Planning and Dosimetry - II** Moderators: M Ashraf, R Zhang		
8:30 AM - 9:30 AM	Multi-Disciplinary Scientific Session **MR- and CT-Guided Adaptive Radiotherapy** Moderators: Y Cao, A McNiven	Imaging Scientific Session **CAD, Radiomics, and Quantitative Applications of X-Ray Imaging and CT** Moderators: I Bornefa, M McNitt-Gray					Specialty Program The New Era of Radiopharmaceutical Therapy **Imaging and Dosimetry for Radiotherapeutics** Moderators: S St. James, M Slosky	
9:30 AM - 10:00 AM	**BEST OF PROFESSIONAL** Presenting Author available Location: Exhibit Hall (ePoster Theaters - Forum 1)							

9:30 – 10:00 Coffee Break | Level 3

10:00 AM - 11:00 AM	Professional Symposium **Meet the New Boss: Transforming Medical Physics Practice with Surgeons, Entrepreneurs, and Bankers** Moderators: D Wu, P Bovia Speakers: D Wu, P Bovia, E Schoppe, M Cur