

PROGRAM AT A GLANCE | SUNDAY, JULY 10

- Imaging Education
- Imaging Scientific
- Therapy Education
- Therapy Scientific
- Multi-Disciplinary Scientific
- Professional
- Specialty Program
- Exhibit Hall







President's Sessions of Note

EXHIBIT HALL ACTIVITIES

12:30 pm–5:00 pm	EXHIBIT HALL HOURS
12:30 pm–1:00 pm 3:00–4:00 pm	BREAKS Refreshment Breaks
3:00–4:00 pm	BEST IN PHYSICS ePoster Theater Presenting Authors available 3:30–4:00 pm
3:00–5:00 pm	INTERACTIVE ePOSTER DISCUSSION Forums 1 – 9 Imaging   Multi-Disciplinary   Therapy
4:00–5:00 pm	BLUE RIBBON ePOSTER NEW! ePoster Theaters Imaging   Multi-Disciplinary   Therapy


VENDOR SHOWCASE

3:15 pm–3:45 pm	Adaptiiv Medical Technologies, Inc. — The Application of Jet fusion 3D Printing Technology in Radiation Oncology Innovation Room 2
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A 8:30–9:30 am	International Council Symposium: <b>Medical Physics Awareness in the Global Context</b> Moderator: J Palta   Speakers: J Van Dyk, W Ngwa, S Parker   Ballroom B 						
AB 8:30–10:30 am	Annual Student Meeting: <b>2022 Annual Student Meeting: Global Medical Physics: Experiences, Lessons, and Getting Involved</b> Moderators: R Kolany, S Wang   Speakers: W Ngwa, A Yorke, A Rubinstein, S Avery   Ballroom C 						
B 9:30–10:30 am	Education Council Symposium: <b>Celebrating Medical Physics Educators: Transformative leaders in Medical Physics Education</b> Moderator: J Prisciandaro   Speakers: M Giger, F Fahey, G Starkschall   Ballroom B 						
C 10:30–11:30 am	Joint Council Symposium   <b>Celebrating the Recent Accomplishments of the AAPM</b> Moderator: J Prisciandaro   Speakers: D Scanderbeg, S Avery, J Hoisak, M Giger   Ballroom B 						
D 11:30 am–12:30 pm	Professional Council Symposium   <b>In Memory of George Sherouse - Transforming Human Health Through Clinical Practice</b>   Moderator: J Clements   Speakers: J Clements, M Kessler, D Pavord, P Halvorsen   Ballroom B 						
	ROOM 206	ROOM 207	ROOM 201	BALLROOM C	BALLROOM A	BALLROOM B   STREAMING	ROOM 202
E 1:00–2:00 PM	Therapy SNAP Oral <b>Advances in Treatment Planning I</b> Moderators: Z Labby, M Mashayekhi	Imaging SNAP Oral <b>MRI: New Algorithms, Techniques, and Applications I</b> Moderators: C Morrison, P Kinahan	Imaging SNAP Oral <b>CT and CBCT: New Technologies, Algorithms, and Emerging Applications I</b> Moderators: J Stayman, T Chen	Therapy SNAP Oral <b>FLASH RT - Instrumentation and Dosimetry</b> Moderators: B Pogue, S Jain	Therapy SNAP Oral <b>Quality and Safety in Radiotherapy I</b> Moderators: T Pawlicki, S Dieterich	Multi-Disciplinary SNAP Oral <b>AI/ML Autoplanning, Autosegmentation, and Image Processing I</b> Moderators: P Yadav, L Xing	Specialty Program SNAP Oral <b>Radiopharmaceutical Therapy Dosimetry</b> Moderators: O Mawlawi, J Brosch-Lenz
F 2:00–3:00 pm	Multi-Disciplinary SNAP Oral <b>Imaging for Treatment Assessment and Outcome Modeling</b> Moderators: M Lawless, R Howell	Imaging SNAP Oral <b>MRI: New Algorithms, Techniques, and Applications II</b> Moderators: S Einstein, P Hou	Imaging SNAP Oral <b>CT and CBCT: New Technologies, Algorithms, and Emerging Applications II</b> Moderators: K Yang, K Drukker	Multi-Disciplinary SNAP Oral <b>Functional, Biologic and Anatomic IGRT</b> Moderators: K Hasse, R Castillo	Therapy SNAP Oral <b>Quality and Safety in Radiotherapy II</b> Moderators: E Ford, J Moran	Multi-Disciplinary SNAP Oral <b>AI/ML Autoplanning, Autosegmentation, and Image Processing II</b> Moderators: R Berbeco, Q Wu	Specialty Program SNAP Oral <b>Advanced Imaging Applications for Radiotheranostics</b> Moderators: B Miller, A Bertolet
G 3:00–4:00 pm BIP	BEST IN PHYSICS   Presenting Authors available 3:30–4:00   ePoster Theaters in the Exhibit Hall						
H 3:00–5:00 pm lePD	INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy   Forums in the Exhibit Hall						
I 4:00–5:00 pm BReP	BLUE RIBBON ePOSTER   Imaging • Multi-Disciplinary • Therapy   ePoster Theaters in the Exhibit Hall						
J 4:00–5:00 pm	Therapy SNAP Oral <b>Treatment Planning and Delivery in Particle Therapy</b> Moderators: K Langen, B Teo	Imaging SNAP Oral <b>Emerging and Pre-clinical Imaging Technologies</b> Moderators: R Lamoureux, A Kapadia	Imaging SNAP Oral <b>Radiography and Fluoroscopy</b> Moderators: K Little, A Tao	Therapy SNAP Oral <b>Applications of AI in Radiotherapy Planning and Adaptation</b> Moderators: L Ren, D Ruan	SAM Therapy Scientific Symposium <b>The Need for Robust Dosimetry of Flash Beams</b> Moderator: D Mihailidis Speakers: M McEwen, A Subiel, A Mascia	MedPhys SLAM	Multi-Disciplinary SNAP Oral <b>Emerging Imaging, Therapy, and Dosimetry Solutions I</b> Moderators: J Dolan, F Fahey
K 5:00–6:00 pm	Therapy SNAP Oral <b>Radiobiological Modeling Biologically-Guided RT</b> Moderators: D Carlson, M Guerrero	Therapy SNAP Oral <b>Brachytherapy</b> Moderators: A Besemer, R Flynn	Imaging SNAP Oral <b>Radiation Dosimetry</b> Moderators: K Kanal, S Brady	Multi-Disciplinary SNAP Oral <b>CT and MR-Guided Adaptive RT</b> Moderators: P Xia, S Nejad-Davarani	SAM Therapy Scientific Symposium <b>Biomathematical Modeling for Individualized and Targeted Cancer Treatment</b> Moderator: D McClatchy Speakers: J Scott, C Grassberger, W Ngwa 		Multi-Disciplinary SNAP Oral <b>Emerging Imaging, Therapy, and Dosimetry Solutions II</b> Moderators: C Ma, J Andreozzi

## PROGRAM AT A GLANCE | MONDAY, JULY 11


 Imaging Education
  Professional

 Imaging Scientific
  Specialty Program

 Therapy Education
  Exhibit Hall

 Therapy Scientific

 Multi-Disciplinary Scientific



 *President's Sessions of Note*



## EXHIBIT HALL ACTIVITIES



9:00 am–5:00 pm	<b>EXHIBIT HALL HOURS</b>
	<b>BREAKS</b> <b>Coffee Break</b> <b>Lunch Break &amp; Visit the Technical Exhibits</b> <b>Refreshment Breaks</b>
9:30 am–10:15 am 12:15 pm–1:45 pm 3:45 pm–4:30 pm	<b>BEST OF PROFESSIONAL NEW!</b> <b>ePoster Theater — Forum 1</b> Presenting Authors available
9:30 am–10:00 am 1:15 pm–1:45 pm 3:45 pm–4:15 pm	<b>INTERACTIVE ePOSTER DISCUSSION</b> <b>Forums 1 – 9</b> Imaging   Multi-Disciplinary   Therapy
4:30 pm–5:30 pm	<b>BLUE RIBBON ePOSTER NEW!</b> <b>ePoster Theaters</b> Imaging   Multi-Disciplinary   Therapy
9:30 am–10:00 am	<b>VENDOR SHOWCASE</b> <b>MIM Software, Inc. — Practical Applications of MIM SureCalc® Monte Carlo for Plan Second Check and Adaptive Assessment</b> <i>Innovation Room 1</i> <b>Adaptiiv Medical Technologies, Inc. — The Application of Jet fusion 3D Printing Technology in Radiation Oncology</b> <i>Innovation Room 2</i>
12:15 pm–12:45 pm	<b>Siemens Healthineers -Deep Learning Automatic Contouring Algorithm</b> <i>Innovation Room 1</i> <b>GT Medical Technologies, Inc - GammaTile Therapy: Let's Brach It Down</b> <i>Innovation Room 2</i>
1:45 pm–3:30 pm	<b>PARTNERS IN SOLUTIONS IMAGING</b> <b>3D Mammography</b> Moderators: J Brown, Y Liu Speakers: J Brown, M Radicke, T Patel, R Iordache <i>Innovation Room 2</i>
1:45 pm–3:45 pm	<b>PARTNERS IN SOLUTIONS THERAPY</b> <b>Respiratory Motion Management Systems</b> Moderators: C Peeler, D Schofield Speakers: C Peeler, K Kvasnica, S Mutic, P Barry, B Waghorn, M Nilsing <i>Innovation Room 1</i>


	ROOM 206	ROOM 207	ROOM 201	BALLROOM C	BALLROOM A	BALLROOM B   STREAMING	ROOM 202
<b>A</b> 7:30–8:30 am	SAM Professional Symposium <b>Excelling as a Medical Physicist Outside the Clinic</b> Moderator: C Gnaster Speakers: S Mufic, H Whitney, Y Lee	SAM Imaging Educational Course <b>Cardiac Imaging</b> Moderator: S. Leng Speakers: E Williamson, Z Qi, R Muthupillai, S Leng	SAM Imaging Scientific Symposium <b>Interventional Imaging</b> Moderator: T Reynolds Speakers: K Li, A Martin, T Reynolds, B Pogue	Multi-Disciplinary Scientific Session <b>Machine Intelligence Efficacy and Quality I</b> Moderators: A Yock, Y Xiao	SAM Therapy Educational Course <b>Current Challenges and Prospects in Motion Management for Radiotherapy</b> Moderator: D Carlson Speakers: J Cammin, J Bertholet, B Teo, P Poulsen	SAM Therapy Scientific Symposium <b>Joint AAPM-ESTRO Symposium: FLASH-From Experimental Beam Lines to the Clinic</b> Moderators: C Clark, N Jornet Speakers: B Sørensen, E Diffenderfer, A Lomax, C Simone	SAM Joint Imaging   Therapy Educational Course <b>Imaging for Radiation Therapy: Challenges and Solutions</b> Moderators: S Kappadath, J Slagowski Speakers: T Szczykutowicz, S Gardner, N Tyagi, S Bowen, T Pan
<b>B</b> 8:30–9:30 am	SAM Professional Symposium <b>Clinical-Industry Partnerships</b> Moderator: B Cai Speakers: B Cai, L Henke, T Li, K Brown			Multi-Disciplinary Scientific Session <b>Machine Intelligence Efficacy and Quality II</b> Moderators: Y Watanabe, X Qi			
<b>C</b> 9:30–10:00 am BOP   IePD	BEST OF PROFESSIONAL   Presenting Authors available 9:30 – 10:00   ePoster Theater in the Exhibit Hall — Forum 1 INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy   Forums in the Exhibit Hall						
<b>D</b> 10:15 am–12:15 pm	PRESIDENT'S SYMPOSIUM   Important Conversations: The Alzheimer's Epidemic – Patient Engagement – ARPA-H and Cancer Moonshot Moderator: J Bourland   Speakers: J Bourland, E Shaw, R Milman, T Schwetz   Ballroom BC						
<b>E</b> 1:15–1:45 pm BOP   IePD	BEST OF PROFESSIONAL   Presenting Authors available   ePoster Theater in the Exhibit Hall — Forum 1 INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy   Forums in the Exhibit Hall						
<b>F</b> 1:45–2:45 pm	SAM Professional Symposium <b>Advancing EDI at Every Level of Med Phys Part 1: For Trainees, the Workplace and Beyond</b> Moderator: R Castillo Speakers: R Castillo, K Paradis, V Ainsworth	SAM Imaging Educational Course <b>Artifacts and Image Quality Issues in MRI Advanced/Rapid Techniques</b> Moderators: N Yanasak, T Andrews Speakers: T Andrews, Y Shu, N Yanasak, M Doneva	<b>Arthur Boyer Award for Innovation in Medical Physics Education</b> Moderator: V Montemayor	Multi-Disciplinary Scientific Session <b>Novel Imaging and Therapy Solutions</b> Moderators: W Yang, A Gutierrez	SAM Therapy Educational Course <b>Recent Task Groups on the Use of MR in External Beam Radiotherapy: TG 284 and 294</b> Moderator: N Tyagi Speakers: Y Hu, C Glide-Hurst, K McGee	<b>Early-Career Investigator Symposium</b> Moderators: E Ritenour, M Podgorsak	Therapy Scientific Session <b>Impacting Global Health Through Medical Physics</b> Moderators: L Court, A Yorke
<b>G</b> 2:45–3:45 pm				Multi-Disciplinary Scientific Session <b>MR-Linac Planning and Delivery</b> Moderators: M Cao, E Omari	SAM Therapy Educational Course <b>Recent Task Group Reports on Brachytherapy: TG-222 and TG-303</b> Moderator: J Prisciandaro Speakers: H Zhang, W Feng, K Hwang, J Zoberi		Therapy Scientific Session <b>Novel Technology and Applications</b> Moderators: M Huang, Y Kuang
<b>H</b> 3:45–4:15 pm IePD	INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy   Forums in the Exhibit Hall						
<b>I</b> 4:30–5:30 pm BReP	BLUE RIBBON ePOSTER   Imaging • Multi-Disciplinary • Therapy   ePoster Theaters in the Exhibit Hall						
<b>J</b> 4:30–6:00 pm	International Program <b>Addressing Global Needs in Medical Physics Support</b> Moderator: E Lief, W Ngwa Speakers: E Lief, C Trauernicht, W Ngwa, S Parker, A Yorke, I Barreto, C Della Bianca	SAM Imaging Educational Course <b>CT Protocol Optimization for the Real World</b> Moderator: T Szczykutowicz Speakers: C Jensen, N Beckmann, C Bartels, T Szczykutowicz	SAM Imaging Scientific Symposium <b>Attenuation Correction in PET and SPECT with and without Transmission Imaging</b> Moderator: Y Seo Speakers: M King, T Pan, J Yang, Y Du	Multi-Disciplinary Scientific Symposium <b>Grand Challenges: Deep Learning-Spectral CT, Truth-Based CT, and SIRPRISE Yttrium-90 Microspheres</b> Moderators: S Armato, K Farahani Speakers: S Armato, K Farahani, E Sidky, X Pan, E Samei, D Alvarez	SAM Therapy Educational Course <b>Managing Implanted Devices</b> Moderator: M Chan Speakers: S Lim, S Kry, C Shi, M Chan	Multi-Disciplinary Scientific Symposium <b>Grant Funding Symposium: Pearls and Pitfalls</b> Moderators: A Sawant, C Glide-Hurst Speakers: C Obcemea, I Hancu, J Siewerdsen, A Sawant, K Brock	Specialty Program <b>Medical Physics Cross-Specialization in the Era of Radiotheranostics</b> Moderator: C Borrás Speakers: C Borrás, M Stabin, M Martin, O Mawlawi, M Mahesh
<b>6:30–8:00 pm</b>	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 pm						


## PROGRAM AT A GLANCE | TUESDAY, JULY 12


 Imaging Education
  Professional

 Imaging Scientific
  Specialty Program

 Therapy Education
  Exhibit Hall

 Therapy Scientific

 Multi-Disciplinary Scientific

 *President's Sessions of Note*


## EXHIBIT HALL ACTIVITIES



7:00 am–5:00 pm	<b>EXHIBIT HALL HOURS</b>
9:30 am–11:00 am 12:15 pm–1:45 pm	<b>BREAKS</b> <b>Coffee Break</b> <b>Lunch Break on Your Own &amp; Visit the Technical Exhibits</b>
3:45 pm–4:30 pm	<b>Refreshment Breaks</b>
9:30 am–11:00 am 1:15 pm–1:45 pm 3:45 pm–4:15 pm	<b>INTERACTIVE ePOSTER DISCUSSION</b> <b>Forums 1 – 9</b> Imaging   Multi-Disciplinary Therapy   Professional
9:30 am–10:30 am	<b>EXPANDING HORIZONS</b> <b>ePoster Theater — Forum 1</b> Presenting Authors available
4:30 pm–5:30 pm	<b>BLUE RIBBON ePOSTER NEW!</b> <b>ePoster Theaters</b> Imaging   Multi-Disciplinary   Therapy
1:45 pm–3:45 pm	<b>SAM EDUCATIONAL TOPIC-SPECIFIC GUIDED TOURS — THERAPY</b> <b>Independent Dose Verification Solutions</b> Moderators: B Chiang, K Cashion Speakers: B Chiang, J Hamilton, C Bohorquez, C Gnaster, A Nagle <b>Room 209A</b> <b>Limited Capacity: First Come, First Served</b>


	ROOM 206	ROOM 207	ROOM 201	BALLROOM C	BALLROOM A	BALLROOM B   STREAMING	ROOM 202
A 7:30–8:30 am	SAM Professional Symposium <b>Mentorship: Elevating Clinical and Research Careers</b> Moderators: K Sheng, K Surry, J Hoisak	SAM Imaging Educational Course <b>Advanced MR in the Clinic</b> Moderator: H Liu Speakers: Q Yuan, X Zhou, Y Jung, H Liu, C Lin, S Einstein	SAM Imaging Scientific Symposium <b>Virtual Clinical Trials</b> Moderators: E Samei, L Ren Speakers: E Samei, L Ren, A Maidment, A Badano	SAM Multi-Disciplinary Scientific Symposium <b>Biomarkers of Response to Radiation and Immune Modulating Therapies for Advanced Cancer Management</b> Moderators: D Mankoff, S Bowen Speakers: D Mankoff, M Farwell, R Li, A Wu, K Schalper, S Bowen	SAM Therapy Educational Course <b>Emerging and Re-Emerging Brachytherapy Treatments</b> Moderators: D Han, A Damato Speakers: A Damato, S Abbasinejad Enger, K Roberts, J Prisciandaro, D Han, D Aramburu Núñez	SAM Joint Imaging   Therapy Educational Course <b>Advances in Breast Cancer Diagnosis and Treatment: Mammography, Breast Biopsy, SBRT, APBI</b> Moderators: S Yoo, I Reiser Speakers: S Chou, C Green, I Reiser, S Yoo, Y Zhang, F Poenisch	Multi-Disciplinary Scientific Session <b>Imaging for Treatment Planning</b> Moderators: S O'Reilly, G Ding
B 8:30–9:30 am	Speakers: K Sheng, X Jia, B Pogue, M Bazalova-Carter, K Surry, Y Lee, I Dragojevic, G Aldosary, P Taylor, J Hoisak						Therapy Scientific Session <b>Advances in SRS/SBRT</b> Moderators: P Hill, L Wang
C 9:30–10:30 am	EXPANDING HORIZONS   Presenting Authors available   ePoster Theater in the Exhibit Hall — Forum 1						
D 9:30–11:00 am	INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy • Professional   Forums in the Exhibit Hall VISIT THE VENDORS   Technical Exhibits Area						
E 11:00 am–12:15 pm	History Symposium <b>Developments in the Historical Evolution of Medical Physics: Radiation Therapy Dose Fractionation and Ultrasound Imaging</b> Moderator: S Tabakov Speakers: C Orton, S Tabakov, L Rothenberg, C Ling	SAM Imaging Educational Course <b>The Use of Cumulative Effective Dose — An Educational Debate</b> Moderator: E Samei Speakers: M Rehani, R Milman	Imaging Scientific Session <b>X-Ray-Based Breast Imaging</b> Moderators: I Reiser, I Sechopoulos	Multi-Disciplinary Scientific Symposium <b>The Anne and Donald Herbert Distinguished Lectureship in Modern Statistical Modeling</b> Moderator: R Mohan Speakers: R Mohan, S Bentzen	SAM Therapy Educational Course <b>IROC — Who is Who in Support of NCI Clinical Trials</b> Moderators: K Smith, P Taylor Speakers: S Kry, K Smith, Y Xiao, M Boss	SAM Multi-Disciplinary Scientific Symposium <b>AI Clinical Translation: Opportunities and Pitfalls</b> Moderator: S Jiang Speakers: H Veeraraghavan, T Purdie, J Kang, S Jiang	SAM Specialty Program <b>ICRU Report on Dosimetry-Guided Radiopharmaceutical Therapy</b> Moderator: R Howell Speakers: G Sgouros, K Sjogreen Gleisner, R Hobbs, Y Dewaraja
F 1:15–1:45 pm lePD	INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy • Professional   Forums in the Exhibit Hall						
G 1:45–2:45 pm	SAM Professional Symposium <b>Recruitment and Applications from Grad School through Early Career: Both Points of View</b> Moderators: J Wilson, D Pearson Speakers: K Hendrickson, R Rodgers, T Juang, T Ritter, Y Perry, J Brindle, E Covington	SAM Imaging Educational Course <b>Read With an Expert: Mammography</b> Moderator: S Chou Speaker: S Chou	SAM Imaging Scientific Symposium <b>Advances in Magnetic Resonance Imaging</b> Moderator: Y Yang Speakers: Y Cao, Y Hu, R Lattanzi, J Cai	SAM Therapy Educational Course <b>Brain Mets Management: Registries and Automation for Longitudinal Assessment</b> Moderators: K Bernstein, T Li Speakers: K Bernstein, W Shi, D Schlesinger, H Lin, X Gu, T Li	Therapy Scientific Session <b>Space-time Modulation of Treatment</b> Moderators: M Kim, S Mossahebi	Science Council Session: <b>Advancing Science to Expand Access to State-of-the-Art Applications in Medical Physics</b> Moderators: K Brock, J Seuntjens	SAM Specialty Program <b>New IAEA Programs and Projects on Radiopharmaceutical Therapy</b> Moderators: R Hobbs, P Knoll Speakers: P Knoll, Y Dewaraja, K Sjogreen Gleisner, R Hobbs
H 2:45–3:45 pm		SAM Imaging Educational Course <b>Ultrasound Elastography in the Clinic</b> Moderator: Z Long Speakers: S McAleavey, I Rosado-Mendez, Z Long			Therapy Scientific Session <b>Advances in Safety</b> Moderators: D Jacqmin, S Simiele		SAM Specialty Program <b>The NNM1 Lu-177 Dosimetry Global Challenge: Results and Conclusions</b> Moderator: Y Dewaraja Speakers: Y Dewaraja, R Danieli, W Erwin, C Uribe
I 3:45–4:15 pm	INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy • Professional   Forums in the Exhibit Hall						
J 4:30–5:30 pm	BLUE RIBBON ePOSTER   Imaging • Multi-Disciplinary • Therapy   ePoster Theaters in the Exhibit Hall						
K 4:30–6:00 pm	SAM Professional Symposium <b>Advancing EDI at Every Level of Med Phys Part 2: For Trainees, the Workplace and Beyond</b> Moderator: A Molineu Speakers: A Molineu, L Warner, G Aldosary	SAM Imaging Educational Course <b>Imaging Disparities</b> Moderators: A Rubinstein, P Svolos Speakers: S Einstein, R Selwyn, A DeSimone, O Peart	Imaging Scientific Symposium <b>Radiation plus Ultrasound: from Imaging to Therapy</b> Moderator: L Xiang Speakers: S Patch, S Malliddi, P Song, L Xiang	SAM Therapy Educational Course <b>Integrating Omics in the Era of AI for Better Patient Specific Outcomes</b> Moderator: I El Naqa Speakers: I El Naqa, S Mattonen, L Wei, S Cui, R Ger	SAM Therapy Scientific Symposium <b>Radiotherapy and the Immune System</b> Moderators: P Tran, M Scarpelli Speakers: C Guha, J Schoenfeld, A Mansoor	SAM Multi-Disciplinary Scientific Symposium <b>Medical Physics in Clinical Trials: Design, Quality Assurance, and NIH Programs</b> Moderator: Y Xiao Speakers: B Vikram, L Shankar, J Capala, K Kandarpa, S Benedict, C Glide-Hurst, Y Xiao	SAM Specialty Program <b>Radiobiology Issues Regarding Theranostic Radiopharmaceuticals</b> Moderator: J O'Donoghue Speakers: J O'Donoghue, R Hernandez, M Cremonesi, Z Morris
7:00–10:00 pm	AAPM NIGHT OUT   Smithsonian American Art Museum						




## PROGRAM AT A GLANCE | WEDNESDAY, JULY 13

 Imaging Education
  Professional

 Imaging Scientific
  Specialty Program

 Therapy Education
  Exhibit Hall

 Therapy Scientific

 Multi-Disciplinary Scientific

 *President's Sessions of Note*

## EXHIBIT HALL ACTIVITIES

9:00 am–2:00 pm	<b>EXHIBIT HALL HOURS</b>  <b>BREAKS</b> <b>Coffee Break &amp; Visit the Vendors</b> <b>Lunch Break &amp; Visit the Technical Exhibits</b> <b>ePosters and Exhibits close at 2:00 PM</b>
9:30 am–11:00 am	<b>INTERACTIVE ePOSTER DISCUSSION</b> <b>Forums 1 – 9</b> Imaging   Multi-Disciplinary   Therapy
9:30 am–11:00 am	<b>VISIT THE VENDORS</b> <b>Technical Exhibits Area</b>
10:15 am–12:15 pm	<b>SAM EDUCATIONAL TOPIC-SPECIFIC GUIDED TOURS — THERAPY</b> <b>Independent Dose Verification Solutions</b> Moderators: J Scotto, K Bittinger Speakers: J Scotto, K Bittinger, S Holmes, E Jhala, R Sharma <b>Room 209A</b> <b>Limited Capacity: First Come, First Served</b>
10:15 am–12:15 pm	<b>SAM EDUCATIONAL TOPIC-SPECIFIC GUIDED TOURS — IMAGING</b> <b>Imaging Workflows Solutions</b> Moderators: E. Diller, C. Burton Speakers: E. Diller, K. Forgione, A. Good, P. Pyers, B. MacDougall <b>Room 209B</b> <b>Limited Capacity: First Come, First Served</b>
1:00 pm–1:30 pm	<b>VENDOR SHOWCASE</b> <b>MIM Software, Inc. — Practical Applications of MIM SureCalc® MonteCarlo for Adaptive Assessment and Plan Second Check</b> <b>Innovation Room 2</b>

	ROOM 206	ROOM 207	ROOM 201	BALLROOM C	BALLROOM A	BALLROOM B   STREAMING	ROOM 202
A 7:30–8:30 am	SAM Professional Symposium <b>Effective Communication About Radiation Dose and Radiation-Induced Risks for Pediatric Patients</b> Moderators: D Zhang, D Brown Speakers: T Atwood, L States F Fahey, A LaBella	SAM Imaging Educational Course <b>ACR Updates including the new Stereotactic Breast Biopsy QC Manual</b> Moderator: D Gress Speakers: D Gress, I Barreto, P Butler, O Mawlawi, W Geiser, M Mahesh	Imaging Scientific Session <b>Advances in MRI Image Formation</b> Moderators: T Andrews, M Lipford	SAM Multi-Disciplinary Scientific Symposium <b>From Pre-Clinical To Vet-Clinical Imaging and Therapy: Pathways to Clinical Translation</b> Moderators: K Wang, P Basran Speakers: K Wang, J Wong, P Basran, D Leary, K Selteng	SAM Therapy Educational Course <b>Artificial Intelligence for QA</b> Moderator: K Hasse Speakers: K Hasse, A Witzlum, S Luk, C Guthier	Multi-Disciplinary Scientific Symposium <b>WMIS/AAPM Joint Symposium on Theranostics</b> Moderator: J Hazle Speakers: M Cremonesi, B Bednarz, P Choyke	Multi-Disciplinary Scientific Session <b>In vivo Imaging and Dosimetry for Monitoring Therapy</b> Moderators: P Keall, A Perez-Andujar
B 8:30–9:30 am			Imaging Scientific Session <b>MRI Image Analysis and Quantitative Applications</b> Moderators: Q Yuan, N Yanasak	Multi-Disciplinary Scientific Session <b>Emerging Applications of Imaging in Therapy</b> Moderators: B Winey, C Lin	SAM Therapy Educational Course <b>Clinical Implementation of AI-based Auto-Segmentation</b> Moderator: K Kisling Speakers: J Yang, G Sharp, S Elguindi		Multi-Disciplinary Scientific Session <b>Imaging for Particle Therapy</b> Moderators: L Dong, J Dougherty
C 9:30–11:00 am	INTERACTIVE ePOSTER DISCUSSION   Imaging • Multi-Disciplinary • Therapy   Forums in the Exhibit Hall VISIT THE VENDORS   Technical Exhibits Area						
D 10:15–11:15 am	Professional Symposium <b>Surviving Change in the Reimbursement Environment</b> Moderators: M Ferenci, A Wexler Speakers: B Sintay, C Mantz, W Fuss	SAM Imaging Educational Course <b>Dual Energy CT — Clinical Implementations and Remaining Challenges</b> Moderators: X Duan, R Layman Speakers: X Duan, M Jacobsen, T Fleiter	SAM Imaging Scientific Symposium <b>SIIM-AAPM Joint Symposium: Machine Intelligence in Medical Imaging</b> Moderators: J Siewerdsen, P Nagy Speakers: P Nagy, S Armato, L Ren, E Krupinski	SAM Multi-Disciplinary Scientific Symposium <b>Machine Intelligence in Imaging for Treatment Response Assessment and Prediction: Implications for Adaptive Radiation Therapy</b> Moderator: W Yang Speakers: J Wang, S Mattonen, W Yang	Therapy Scientific Session <b>FLASH – Platforms and Instrumentation</b> Moderators: M Bazalova-Carter, M Ashraf	SAM Therapy Educational Course <b>Eliminating Health Disparities in Clinical Trials: How can Physicists Contribute?</b> Moderators: K Paradis, E Covington Speakers: C Chapman, P Taylor, H Whitney, Z Iqbal	Specialty Program <b>MPPG14a Yttrium-90 Microsphere Treatments Workshop: Recommendations and Implementation Experience</b> Moderator: N Busse Speakers: N Busse, R Hobbs, M Jafari, D Alvarez
E 11:15 am–12:15 pm				SAM Therapy Scientific Symposium <b>Outcome-driven and Risk-adapted Personalized Treatment Planning</b> Moderator: A Modiri Speakers: L Specht, M Thor, A Modiri	Therapy Scientific Session <b>Novel Radiotherapy Technologies and Techniques</b> Moderators: K Sheng, H Kang		Specialty Program Scientific Session <b>Radioactive Microspheres and Nanoparticles</b> Moderators: D Alvarez, J Schuemann
F 1:45–2:45 pm	Therapy Scientific Session <b>FLASH Radiotherapy — Radiobiology, Treatment Planning and Dosimetry - I</b> Moderators: A Sawant, A Yu	SAM Imaging Educational Course <b>Gonadal &amp; Fetal Shielding Updates</b> Moderator: R Millman Speakers: J Elee, Y Thakur, Q Moore, R Milman	SAM Imaging Educational Course <b>Fundamentals of Photon-Counting CT</b> Moderator: X Tang Speakers: J Maltz, K Rajendran, X Tang	SAM Multi-Disciplinary Scientific Symposium <b>Advances in Image-Guided RT: Towards Real-Time and Biological Adaptation</b> Moderator: C Coolens Speakers: T Stanescu, B Cai, C Coolens, C Grassberger	SAM Therapy Educational Course <b>Enhancing a Physicist's Role in Radiation Therapy Treatment Plan Assessment</b> Moderators: L Olsen, S Parker Speakers: D Jacqmin, M Kim, S Parker, B Juneja, G Kim, L Rankine	SAM Professional Symposium <b>Ethics and AI in Radiology and Radiation Oncology</b> Moderators: A Riegel, J St-Aubin Speakers: K Osterman, D Zheng, M Hyun, S Langer	SAM Therapy Scientific Symposium <b>Biologically Weighted Robust Planning of Proton Therapy: Knowledge Gaps, Controversies and Solutions</b> Moderators: W Liu, R Schulte Speakers: W Liu, R Schulte, R Mohan, K Parodi, A McNamara
G 2:45–3:45 pm	Therapy Scientific Session <b>Advanced Preclinical and Clinical RT Strategies and Techniques</b> Moderators: J Slagowski, M Kim		Imaging Scientific Session <b>Advances in Photon-Counting Imaging</b> Moderators: M Bostani, A Wang	Multi-Disciplinary Scientific Session <b>Machine Intelligence for Treatment Planning and Segmentation</b> Moderators: M Chan, C Bojchko			
3:45 – 4:30 REFRESHMENT BREAK   Level 3							
H 4:30–6:00 pm	Professional Symposium <b>Medical Physics and the Journal of Applied Clinical Medical Physics: The Evolving World of Publishing</b> Moderators: M Mills, J Boone Speakers: M Mills, J Boone, S Benedict, S Hedrick	SAM Multi-Disciplinary Scientific Symposium <b>The Developing Role of Medical Physics and Imaging in Digital Pathology</b> Moderator: K Brock Speakers: A Ward, A Contreras, K Brock, M Yaffe	SAM Imaging Educational Course <b>Ultrasound Performance Assessment and Quality Control</b> Moderator: Z Lu Speakers: Z Long, J Fowlkes, I Rosado-Mendez, T Liu, S Dekker	SAM Therapy Educational Course <b>Building a Better Safety Net</b> Moderators: E Ford, S Evans Speakers: J Meyer, Y Rong, M Wells, S Evans	SAM Therapy Scientific Symposium <b>AI-Empowered Clinical Decision Support for Personalized Radiation Therapy</b> Moderator: J Deng Speakers: C Shen, X Qi, Q Wu, J Deasy, J Deng	SAM Imaging Scientific Symposium <b>Photon-counting CT: Image Quality Optimization, Novel Algorithms, and Emerging Clinical Applications</b> Moderator: X Tang Speakers: K Taguchi, X Pan, L Yu, A Wang	SAM Therapy Educational Course <b>Cardiac Radioablation: Expanding Access Across Many Centers via Outreach and Collaboration</b> Moderator: N Knutson Speakers: N Knutson, G Hugo, A Weiner
6:15–7:30 pm	ANNUAL BUSINESS MEETING   TOWN HALL MEETING   AAPM BOARD OF DIRECTOR MEMBERS   Ballroom B						

## PROGRAM AT A GLANCE | THURSDAY, JULY 14

-  Imaging Education
  Professional
-  Imaging Scientific
  Specialty Program
-  Therapy Education
  Exhibit Hall
-  Therapy Scientific
-  Multi-Disciplinary Scientific
-  *President's Sessions of Note*

	ROOM 206	ROOM 207	ROOM 201	BALLROOM C	BALLROOM A	BALLROOM B   STREAMING	ROOM 202
A 7:30–8:30 am	Multi-Disciplinary Scientific Session <b>Advances in Anatomic and Functional Image-guided Radiotherapy</b> Moderators: Y Vinogradskiy, E Vicente	Imaging Scientific Session <b>Multimodality, Optical, and Emerging Technologies</b> Moderators: T Reynolds, S Molloy	SAM Imaging Scientific Symposium <b>New Technologies in Breast Imaging</b> Moderator: A Sisniega Speakers: S Shakeri, W Zhao, A Sisniega, M Yaffe	Therapy Educational Course <b>Automated Planning: What Do Physicians Want?</b> Moderator: E Schreibmann Speakers: K Moore, L Court, N Kovalchuk, M Schmidt	SAM Therapy Scientific Symposium <b>Don't Miss a Beat: Addressing Cardiotoxicity in Cancer Therapies</b> Moderator: C Glide-Hurst Speakers: C Glide-Hurst, J Harms, R Howell	SAM Professional Symposium <b>Contingency Planning: Can You Handle a Ransomware Attack?</b> Moderator: R Siochi Speakers: T Ma, R Siochi, J Donaghue, M Tallhamer	Therapy Scientific Session <b>FLASH Radiotherapy — Radiobiology, Treatment Planning and Dosimetry - II</b> Moderators: M McEwen, R Zhang
B 8:30–9:30 am	Multi-Disciplinary Scientific Session <b>MR- and CT-Guided Adaptive Radiotherapy</b> Moderators: Y Cao, A McNiven	Imaging Scientific Session <b>CAD, Radiomics, and Quantitative Applications of X-Ray Imaging and CT</b> Moderators: I Barretto, M McNitt-Gray			Therapy Scientific Session <b>Clinical Dosimetry, Calibration, Shielding</b> Moderators: P Taylor, A Lalonde		Specialty Program Scientific Session <b>Imaging and Dosimetry for Radiotheranostics</b> Moderators: S St. James, M Silosky
9:30 – 10:00 AM COFFEE BREAK   Level 3							
C 10:00–11:00 am	Professional Symposium <b>Meet the New Boss: Transforming Medical Physics Practice with Surgeons, Entrepreneurs, and Bankers</b> Moderators: D Wu, P Patel Speakers: D Wu, F Bova, K Schoppe, M Curry, L Genovese, D Jordan	SAM Imaging Educational Course <b>Assessment of Deep-Learning Technologies in Medical Imaging: From Imaging Science to Clinical Practice</b> Moderators: H Li Speakers: V Kelkar, L Yu, F Liu	Imaging Scientific Session <b>Radiography, Fluoroscopy, and Tomosynthesis</b> Moderators: K Hulme, K Wunderle	SAM Multi-Disciplinary Scientific Symposium <b>Multi-Scale Modeling in Imaging and Therapy</b> Moderators: W Zbijewski, J Schuemann Speakers: A Badal, X Jia, S Abbasinejad Enger, A McNamara	SAM Therapy Educational Course <b>State of the Art of Adaptive Radiotherapy</b> Moderator: L Cervino Speakers: R Mak, R Kashani, K Mittauer, B Han	SAM Joint Imaging   Therapy Educational Course <b>Bridging Diagnostic Imaging and Radiotherapy: A Pediatric Focus</b> Moderators: C Hua, S Brady Speakers: C Hua, S Brady, J Uh, J Parthasarathy	Multi-Disciplinary Scientific Session <b>Imaging Data Science for Treatment Assessment</b> Moderators: M Matuszak, G Hugo
D 11:00 am–12:00 pm		Imaging Scientific Session <b>AI in Imaging</b> Moderators: H Whitney, S Armato	Imaging Scientific Session <b>Performance Assessment and Clinical Implementation of Photon-Counting CT</b> Moderators: L Yu, X Li	Multi-Disciplinary Scientific Session <b>Personalized Treatment via Outcome Modeling</b> Moderators: J Deasy, J Pursley			Therapy Scientific Session <b>Radiobiology of Particle Therapy</b> Moderators: J Eley, K Jiang
12:00 – 12:50 PM BOXED LUNCH   Level 3							
E 1:00–2:00 pm	SAM Professional Symposium <b>Multidisciplinary Teamwork: Skills Required Success</b> Moderator: W Luo Speakers: C Ma, L Marks, A Cetnar, P Sandwall	SAM Imaging Educational Course <b>Radiography &amp; Fluoroscopy Task Group Updates</b> Moderator: K Hulme Speakers: K Hulme, P Lin, K Strauss, W Bolch	Imaging Scientific Session <b>New Technologies in CBCT</b> Moderators: G Gang, J Boone	Multi-Disciplinary Scientific Session <b>Machine Intelligence in Image Processing and Motion Correction I</b> Moderators: S Jiang, A Sisniega	SAM Therapy Educational Course <b>Modern Single Room Proton Therapy Installations: Challenges and Opportunities for the Medical Physicist</b> Moderator: S St. James Speakers: A Paxton, Y Lin, M Bussiére	SAM Specialty Program <b>Novel Interventional Procedures Involving Microspheres</b> Moderator: W Dezarn Speakers: M Lam, S Manipatpong, W Erwin, S Abbasinejad Enger	SAM Therapy Educational Course <b>Clinical Implementation of Spatially Fractionated Radiotherapy (SFRT)</b> Moderator: H Li Speakers: H Li, D Owen, J Kavanaugh, D Pokhrel
F 2:00–3:00 pm			Imaging Scientific Session <b>Dual Energy Radiography, CT and CBCT</b> Moderators: J Miller, W Zbijewski	Multi-Disciplinary Scientific Session <b>Machine Intelligence in Image Processing and Motion Correction II</b> Moderators: X Yang, L Cervino	SAM Therapy Educational Course <b>Proton Therapy in Clinical Trials</b> Moderator: S Flampouri Speakers: S Gulliford, S Flampouri	SAM Specialty Program <b>Novel Interventions and Focused Cancer Radiation Therapy</b> Moderator: A Bao Speakers: A Bao, J Humm, S Graves	SAM Therapy Educational Course <b>Safety and Quality Improvements in Brachytherapy</b> Moderator: W Feng Speakers: Z Shen, J Zhou, M Rivard
SEE YOU NEXT YEAR! 65 <sup>TH</sup> ANNUAL MEETING & EXHIBITION   JULY 23 – 27, 2023   HOUSTON, TX							