

PROGRAM AT A GLANCE | SUNDAY, JULY 21

- Imaging
- Therapy
- Radiopharmaceuticals
- Professional

EXHIBIT HALL ACTIVITIES

12:30 PM – 5:00 PM **EXHIBIT HALL HOURS**

POSTER VIEWING

Viewable online via the meeting app and website

BREAKS

12:30 PM – 1:00 PM **Refreshment Break**
3:00 PM – 4:30 PM **Poster Break**

3:00 PM – 4:30 PM **GENERAL POSTER DISCUSSION (GPD-A)**
Poster Lounge

VENDOR SHOWCASES

3:15 PM – 3:45 PM **Sun Nuclear, a Mirion Medical Company**
Speaker: J Tracy
Innovation Room

3:30 PM – 4:30 PM **BLUE RIBBON POSTER**
Poster Lounge

8:30 AM – 10:30 AM							
Students and Trainees AAPM Medical Physics Student Meeting: Navigating the Future: Staying Current in Medical Physics Moderators: C. Eckrich, K. Huang Speakers: B. Raaymakers, A. Bertolei, B. Pogue, C. McCollough Room 152							
9:30 AM – 10:30 AM							
Council Symposia International Council Symposium: Global Medical Physics Activities: Where Are We Putting Our Emphasis; Capacity Building, Clinical Practice or Research? Moderator: J. Palta Speakers: J. Palta, S. Parker, S. Avery, J. Raffi, M. Sharma Room 502A							
10:30 AM – 11:30 AM							
Council Symposia Education Council Symposium: Recruiting and Training the Next Generation of Medical Physicists Moderator: J. Prisciandaro Speakers: J. Prisciandaro, J. Pollard-Larkin, J. Dugas, C. Brunnuell Room 502B							
11:30 AM – 12:30 PM							
Council Symposia Professional Council Symposium: Medical Physicist Workforce/Staffing – Approaches to a Complex Issue Moderator: R. Milman Speakers: D. Jordan, M. Ferenci, S. Gros Room 502B							
	ROOM 151	ROOM 152	ROOM 408A	ROOM 408B	ROOM 411	ROOM 502A	ROOM 502B
1:00 PM – 2:00 PM	Therapy SNAP Oral: Radiation Physics, Dosimetry, Biology FLASH Physics	Therapy SNAP Oral: Therapeutic Planning, Delivery, Adaptation Workflow Innovation and QI	Imaging SNAP Oral: Diagnostic and Interventional Imaging CT Part 1	Imaging SNAP Oral: Diagnostic and Interventional Imaging MRI	Therapy SNAP Oral: Image Guidance in Therapy Adaptive Radiation Therapy	Therapy SNAP Oral: Image Guidance in Therapy Motion Management and Tumor Tracking I	Radiopharmaceuticals SNAP Oral: Theranostics, Nuclear Medicine Pre-Clinical and Instrumentation
2:00 PM – 3:00 PM	Therapy SNAP Oral: Radiation Physics, Dosimetry, Biology FLASH Biology and Mechanism	Therapy SNAP Oral: Therapeutic Planning, Delivery, Adaptation LLM and ML Developments	Imaging SNAP Oral: Diagnostic and Interventional Imaging Dosimetry	Imaging SNAP Oral: Diagnostic and Interventional Imaging Task-Based AI	Therapy SNAP Oral: Radiation Physics, Dosimetry, Biology Advances in Dosimetry	Therapy SNAP Oral: Image Guidance in Therapy Motion Management and Tumor Tracking II	Radiopharmaceuticals SNAP Oral: Theranostics, Nuclear Medicine Y-90 Microspheres and Lu-177 Therapies
4:30 PM – 5:00 PM	Therapy SNAP Oral: Radiation Physics, Dosimetry, Biology Brachytherapy	Therapy SNAP Oral: Therapeutic Planning, Delivery, Adaptation Segmentation	Imaging SNAP Oral: Diagnostic and Interventional Imaging Breast Imaging	Imaging SNAP Oral: Diagnostic and Interventional Imaging CT Part 2	Imaging SNAP Oral: Diagnostic and Interventional Imaging AI Methods for Image Reconstruction and Synthesis	Therapy SNAP Oral: Image Guidance in Therapy Imaging for Treatment Verification and Assessment	Radiopharmaceuticals SNAP Oral: Theranostics, Nuclear Medicine Segmentation and Quantitation
5:00 PM – 6:00 PM	Therapy SNAP Oral: Radiation Physics, Dosimetry, Biology Proton and Particle Therapy	Therapy SNAP Oral: Therapeutic Planning, Delivery, Adaptation AI and ML Dose Calculations	Imaging SNAP Oral: Diagnostic and Interventional Imaging Optical, Thermal, Ultrasonic, and Acoustic Imaging	Imaging SNAP Oral: Diagnostic and Interventional Imaging Imaging of Phantoms, Materials, and Anatomy & Physiology	Professional SNAP Oral Challenges and Opportunities for Medical Physicists: Present and Future	Therapy SNAP Oral: Image Guidance in Therapy MRgRT	Radiopharmaceuticals SNAP Oral: Theranostics, Nuclear Medicine Clinical Applications and Deep Learning

PROGRAM AT A GLANCE | MONDAY, JULY 22

- Imaging
- Therapy
- Radiopharmaceuticals
- Professional

EXHIBIT HALL ACTIVITIES

- 9:00 AM – 5:00 PM **EXHIBIT HALL HOURS**
- POSTER VIEWING**
Viewable online via the meeting app and website
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- 9:30 AM – 10:15 AM **BEST OF PROFESSIONAL Poster Forum 1**
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- BREAKS**
- 9:30 AM – 10:15 AM **Refreshment Break**
- 12:15 PM – 1:30 PM **Lunch Break + Visit the Technical Exhibits**
Lunch supported by P-Cure Ltd.
- 3:30 PM – 4:30 PM **Best In Physics Reception**
Supported by Sun Nuclear, a Mirion Medical Company
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- VENDOR SHOWCASES**
- 9:30 AM – 10:00 AM **IBA Dosimetry Innovation Room**
Speaker: Z Zu
- 12:30 PM – 1:15 PM **GE Healthcare Innovation Room**
Speaker: T Szczykutowicz
- 3:45 PM – 4:15 PM **GE Healthcare Innovation Room**
Speakers: J Wang, A Pompos
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- 3:30 PM – 4:30 PM **BEST IN PHYSICS Poster Theater**
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- 3:30 PM – 4:30 PM **BLUE RIBBON POSTER Poster Lounge**
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- 3:30 PM – 4:30 PM **EDUCATION GENERAL POSTER DISCUSSION Poster Forum 1**

	ROOM 151	ROOM 152	ROOM 408A	ROOM 408B	ROOM 411	ROOM 502A	ROOM 502B
7:30 AM – 8:30 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Clinical Trial Design, Data Quality, and Access: A Medical Physicist's Role Moderator: S. Quirk Speakers: S. Quirk, T. Roth, M. Rosu-Bubulac, K. Smith, M. Matuszak, M. Roumeliotis	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Joint AAPM-ESTRO Symposium: Online Adaptive RT Workflows Moderators: J. Prisciandaro, N. Jorret Sala Speakers: J. Pursley, P. Sibolt, T. Stanescu, B. Raaymakers	Imaging Symposium: Diagnostic and Interventional Imaging Chest Imaging: Read w/Expert Moderator: J. Garrett Speakers: J. Sohn, J. Poff	Imaging Scientific Session: Diagnostic and Interventional Imaging Emerging Imaging Technologies	Professional Program: Professional Symposium International Symposium: Incident Learning Around the World: Radiation Oncology Lessons Learned Moderator: E. Covington Speakers: E. Covington, O. Holmberg, M. Coffey, J. Kildea	Education Session Arthur Boyer Award for Innovation in Medical Physics Education Moderator: V. Montemayor	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine RPT Dosimetry Primer Moderator: O. Mawlawi Speakers: R. Barbee, M. Bardies
8:30 AM – 9:30 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Joint AAPM-ASTRO Highlights of Clinical Trials and Clinical Advances Moderators: B. Winey, R. Kashani Speakers: S. Yom, A. Kishan, N. Sanford	Therapy Scientific Session: Therapeutic Planning, Delivery, Adaptation Nanoparticles and Radiobiology	Imaging Symposium: Diagnostic and Interventional Imaging Chest Imaging: AI for Chest Imaging Moderator: J. Garrett Speakers: A. Hsiao, R. Zhang, H. Veeraraghavan	Imaging Scientific Session: Diagnostic and Interventional Imaging Photon Counting and Spectral X-Ray Imaging	Professional Program: Professional Symposium Failure Mode Potpourri Moderators: J. Xia, C. Buckley Speakers: P. Johnson, A. Shah, D. Maes		Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Functional Liver SPECT Moderator: R. Paulpeter Speakers: M. Nyflot, S. Shen, W. Erwin
10:15 AM – 12:15 PM	President's Symposium: Embracing Change, Impacting Patient Care Moderator: T. Pawlicki Speakers: T. Pawlicki, D. Gammel, K. Sheng, J. Siewerdsen, E. Angel, J. Dobbins Room 151 152 Supported by Sun Nuclear, a Mirion Medical Company						
1:30 PM – 2:30 PM	Early-Career Investigator Symposium John R. Cameron Early-Career Investigator Symposium Moderators: E. Ritenour, M. Podgorsak	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Current Status & Future Direction of AI in MRI Brachytherapy Moderator: Y. Kim Speakers: S. Goyal, J. Lee, L. Xing, X. Jia, Y. Kim	Imaging Symposium: Diagnostic and Interventional Imaging Image Quality in Mammography: From Fundamentals to Application Moderator: J. Mainprize Speakers: J. Mainprize, N. Phelan	Imaging Symposium: Diagnostic and Interventional Imaging Endo-/Exo-genous Contrast in Non-ionizing Imaging Moderator: G. Anthony Speakers: A. Christodoulou, I. Rosado-Mendez, Y. Wu, Z. Fan, B. Pogue, J. Dave	Professional Program: Professional Symposium Medical Events and Lessons Learned in Brachytherapy Moderator: Y. Liao Speakers: Z. Ouhib, S. Simiele	Therapy Symposium: Image Guidance in Therapy Motion Management and Impact Moderator: P. Zhang Speakers: M. Cao, P. Poulsen, L. Happersett	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine What's New With Y-90 Microspheres Moderator: S. Kappadath Speakers: S. Kappadath, S. Padia
2:30 PM – 3:30 PM		Therapy Symposium: Therapeutic Planning, Delivery, Adaptation AAPM MPPGs What's New Moderator: S. Richardson Speakers: S. Simiele, P. Halvorsen, N. Busse	Imaging Scientific Session: Diagnostic and Interventional Imaging Breast Imaging		Professional Program: Professional Symposium We've Had a Medical Event... Now What? Moderators: J. Faught, P. Nitsch Speakers: L. Fong de los Santos, B. Thomadsen, D. Schofield	Therapy Scientific Session: Image Guidance in Therapy Imaging for Motion Management	Radiopharmaceuticals Scientific Session: Theranostics, Nuclear Medicine Radiopharmaceutical Therapy
4:30 PM – 6:00 PM	Therapy Symposium: Image Guidance in Therapy Grand Challenges: Fostering Progress in Medical Physics through Insights from Leading Teams and Organizers Moderators: K. Drukker, L. Hadjiiski	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Interactive, LLM and Multimodal AI Moderators: X. Dai, G. Valdes Speakers: D. Bitterman, A. Li, H. Lin, J. Zou	Imaging Symposium: Diagnostic and Interventional Imaging Advances in Patient-Specific CT Imaging Moderator: M. Kachelriess Speakers: T. Szczykutowicz, M. Kachelriess, M. McNitt-Gray, L. Yu	Imaging Symposium: Diagnostic and Interventional Imaging Diving into Ultrasound Testing: Scanner Display Monitors, Spectral Doppler, and Quantitative Imaging Moderator: Z. Long Speakers: Z. Lu, J. Zagzebski, Z. Long	LOCATION: ROOM 403 Professional Program: Professional Symposium Applied Ethics & AAPM: The Work of Ad Hoc Advisory Committee on Government Policy Impacts (AHGPI) Moderator: M. Wells Speakers: M. Wells, J. Johnson, C. Hampton, A. Johnson	Therapy Symposium: Image Guidance in Therapy The Future of MR-Guided Radiotherapy Moderators: M. Bazalova-Carter, M. Bellon Speakers: J. Dempsey, B. Raaymakers, B. Fallone	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Radiation Safety Toolkit Moderator: J. Wait Speakers: R. Ayers, K. Tapp, J. Clements
6:30 PM – 9:00 PM	Awards and Honors Ceremony & Reception: Platinum Ballroom, Level 3, JW Marriott Los Angeles						

PROGRAM AT A GLANCE | TUESDAY, JULY 23

- Imaging
- Therapy
- Radiopharmaceuticals
- Professional

EXHIBIT HALL ACTIVITIES

9:00 AM – 5:00 PM	<p>EXHIBIT HALL HOURS</p> <p>POSTER VIEWING Viewable online via the meeting app and website</p>
9:30 AM – 10:15 AM 12:15 PM – 1:30 PM 3:00 PM – 4:30 PM	<p>BREAKS</p> <p>Refreshment Break</p> <p>Lunch On Your Own + Visit the Technical Exhibits</p> <p>Poster Break</p> <p>Poster Forum 2</p>
9:30 AM – 10:15 AM	<p>EXPANDING HORIZONS</p> <p>Poster Forum 2</p>
9:30 AM – 10:00 AM	<p>VENDOR SHOWCASE</p> <p>Gamma Tile Speaker: A Turner Innovation Room</p>
12:15 PM – 1:15 PM	<p>Ashland Speakers: A Viswanathan, I Das, M Chan, J Rahimian, R Aydin Innovation Room</p>
1:15 PM – 3:45 PM	<p>P-Cure, Ltd. Speaker: J Feldman Innovation Room</p>
10:15 AM – 11:15 AM	<p>GUIDED TOUR – IMAGING Radionuclide Dosimetry Moderator Speaker: I. Marsh Room 153A</p>
11:15 AM – 12:15 PM	<p>GUIDED TOUR – THERAPY Custom Manufactured Treatment Devices Moderator Speaker: D. Craft Room 153A</p>
1:30 PM – 3:00 PM	<p>PARTNERS in SOLUTIONS Optimizing the Use of Automatic Exposure Control Across Diverse CT Platforms: A Vendor-Specific Insight Moderator: J. Wang Speakers: J. Wang, B. Hoppel, Y. Jin, J. Ramirez, Giraldo, N. Gujar, W. Wang Innovation Room</p>
3:30 PM – 4:30 PM	<p>BLUE RIBBON POSTER GENERAL POSTER DISCUSSION (GPD-B) Poster Lounge</p>

	ROOM 151	ROOM 152	ROOM 408A	ROOM 408B	ROOM 411	ROOM 502A	ROOM 502B
7:30 AM – 8:30 AM	Therapy Scientific Session: Radiation Physics, Dosimetry, Biology FLASH Physics	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation How to Put TG203 into Practice at Your Clinic and Lower Your CIED Reset Rate Moderator: J. Pollard-Larkin Speakers: C. Peeler, D. Do, J. Prisciandaro, S. Kry	Imaging Symposium: Diagnostic and Interventional Imaging Advances in Data Science through MIDRC in the ARPA-H BDF: The Need for Curated, Diverse, Annotated and Scalable Imaging Data Commons to Enable Multi-Modal AI Research Moderators: M. Giger, P. Kinahan Speakers: M. McNitt-Gray, K. Myers, J. Fuhrman	Imaging Symposium: Diagnostic and Interventional Imaging Navigating Patient Dose Inquiries and Practice Guidelines for Imaging Pregnant Patients Moderators: E. Angel, C. Cagnon Speakers: C. Paulbeck, B. Schwarz, D. Litmanovich, C. Cagnon	Professional Program: Professional Symposium Disability and Accessibility: I Don't Want to Say the Wrong Thing Moderators: A. Molineu, E. Park Speakers: L. Jones, A. Besemer, G. Eliason	Therapy Symposium: Image Guidance in Therapy Advances in Adaptive Photon Therapy Moderators: H. Zhao, D. Han Speakers: N. Nelson, T. Zhao, F. Su, D. Han	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine ACR PET & NM Manual Moderator: J. Wang Speakers: O. Mawlawi, J. Zhang
8:30 AM – 9:30 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Paul M. DeLuca Jr. Memorial Symposium: A Legacy of Science & Education Moderators: B. Pogue, A. Perez-Andujar Speakers: T. Mackie, B. Meyerand, M. Brandan, K. Langen	Therapy Scientific Session: Therapeutic Planning, Delivery, Adaptation Session in Memory of Edward (Ned) Sternick: Autoplanning	Imaging Symposium: Diagnostic and Interventional Imaging AI for Image Generation: Do's and Don'ts Moderators: R. Ger, R. Munboddh Speakers: X. Yang, M. Anastasio, H. Veeraraghavan	Imaging Symposium: Diagnostic and Interventional Imaging The Anne and Donald Herbert Distinguished Lectureship in Modern Statistical Modeling Moderator: H. Whitney Speakers: M. Eckstein	Therapy Symposium: Image Guidance in Therapy TED Style Talks Moderator: M. Bazalova-Carter Speakers: R. Milman, K. Otto, C. Grassberger, S. Sheehy, J. Adler, M. Mahesh	Therapy Scientific Session: Image Guidance in Therapy Adaptive Radiotherapy	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine SNMMI RPT Therapy Centers of Excellence Moderator: J. Wang Speakers: M. Costello, H. Nadel
10:15 AM – 11:15 AM	Science Council Session: Innovations in Medical Physics Moderators: K. Brock, J. Seuntjens	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Segmentation for Online Adaptive Radiotherapy: Challenges, Innovative Development, and Quality Assurance Moderators: Y. Zhang, X. Qi Speakers: X. Qi, H. Veeraraghavan, C. Cardenas, Y. Zhang	Imaging Symposium: Diagnostic and Interventional Imaging CSI Radiology: Post-Mortem CT Moderator: K. Kanal Speakers: K. Kanal, N. Yarid	Imaging Symposium: Diagnostic and Interventional Imaging Clinical Decision Making and Ethics in Imaging and Therapy: Practical Insights for Medical Physics Moderator: H. Whitney Speakers: D. DiCostanzo, M. Hyun, E. Krupinski	Professional Program: Professional Symposium The Impact and Value of EDI in Medical Physics: How Have We Benefited and How Do We Keep the Momentum? Moderator: J. Pollard-Larkin Speakers: S. Avery, R. Castillo, K. Hendrickson, T. Roth, R. Howell	History Symposium The History of MRI Moderator: N. Yamasak Speaker: W. Schalkick	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Activity Standards, Traceability Moderator: D. Bergeron Speakers: D. Bergeron, J. Sunderland, K. Ferreira
11:15 AM – 12:15 PM		Therapy Symposium: Therapeutic Planning, Delivery, Adaptation In Memoriam of Peter Almond: The Future of Electron Radiation Therapy Moderator: M. Mills Speakers: J. Barkley, E. Schueler, J. Purdy, M. Mills	Imaging Symposium: Diagnostic and Interventional Imaging Nuts and Bolts for Medical Physics Grant Funding Moderators: X. Jia, J. Roeske Speakers: X. Jia, H. Veeraraghavan, W. Ngwa, K. Sheng, S. Bright	Professional Program: Professional Symposium Bridging the Leadership Gap: Increasing Representation of Women in Leadership Roles in Medical Physics Moderator: I. Barreto Speakers: E. Ford, J. Moran, J. Pursley, K. Kanal	Therapy Symposium: Image Guidance in Therapy Ultrasound in Real Time Adaptive Radiotherapy Moderator: L. Xiang Speakers: D. Hristov, T. Matsuura, L. Xiang	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Standardization of PET and SPECT Moderator: J. Zhang Speakers: B. Kemp, S. Graves	
1:30 PM – 3:00 PM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Flash Forward: Roadmaps to the Clinical Translation Moderators: R. Zhang, Y. Xiao Speakers: J. Buchsbaum, J. Zou, S. Kry, A. Mascia, L. Jarvis	Therapy Symposium: Radiation Physics, Dosimetry, Biology AI and Other Advances in Quality Assurance Moderators: M. Miften, S. Han-Oh Speakers: M. Chan, G. Penoncello, E. Ford	Imaging Symposium: Diagnostic and Interventional Imaging A New Frontier in Medical Physics: Sustainability in Imaging Moderator: A. Hernandez Speakers: A. Hernandez, D. Carver, Y. Jung, N. Raffei	Imaging Symposium: Diagnostic and Interventional Imaging AI for Breast Image Interpretation Moderator: J. Lee Speakers: K. Drukker, I. Sechopoulos, J. Lo	Professional Program: Professional Symposium Ensuring Ethical Excellence: Navigating the Use of ChatGPT in Academic Publishing Moderator: S. Hedrick Speakers: D. Low, P. Halvorsen, S. Hedrick	Therapy Symposium: Image Guidance in Therapy Everything You Want to Know about Imaging in Radiation Therapy but Hesitate to Ask Moderators: L. Cervino, M. Lin Speakers: W. Cai, J. Deng, B. Aydogan	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine WMIS-AAPM Symposium: Molecular Imaging in Theranostics Moderator: C. Manning Speakers: C. Beinat, M. Nickels, E. Miftra
4:30 PM – 6:00 PM	Therapy Symposium: Radiation Physics, Dosimetry, Biology FLASH Mechanisms: Radiochemistry and Oxygen Sensing Moderators: J. Sunnerberg, R. Zhang Speakers: B. Pogue, S. Vinogradov, T. Karan, J. Schuemann	Therapy Symposium: Radiation Physics, Dosimetry, Biology Advances in Proton and Particle Therapy Moderators: H. Li, S. Yan Speakers: S. Mein, F. Lebbink, C. Chen, H. Li	Imaging Symposium: Diagnostic and Interventional Imaging Recently Published Task Group Reports from Imaging Physics Committee Moderators: I. Sechopoulos, K. Wunderle Speakers: D. Gauntt, I. Sechopoulos, S. Leng, R. Layman	Imaging Symposium: Diagnostic and Interventional Imaging Interventional Imaging: Multimodal Approaches for Surgical Guidance Moderator: A. Uneri Speakers: A. Uneri, J. Wu, M. Speidel, K. Ding	Professional Program: Professional Symposium Exploring AAPM's Professional Development Triple Threat: Mentorship, MPLA, and Local Chapters Moderator: C. Page-Robertson Speakers: J. Haisak, J. Johnson, A. Baghwala	Therapy Symposium: Image Guidance in Therapy Real Time Volumetric Imaging Moderator: J. Wang Speakers: L. Shen, L. Liu, Y. Zhang, I. El Naqa	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine AAPM/EFOMP Tools for RPT Dosimetry Standardization Moderator: M. Bardies Speakers: M. Bardies, J. O Doherty, R. Barbee, J. Sunderland
6:00 PM – 10:00 PM	AAPM Night Out at Dodgers Stadium						

PROGRAM AT A GLANCE | WEDNESDAY, JULY 24

- Imaging
- Therapy
- Radiopharmaceuticals
- Professional

EXHIBIT HALL ACTIVITIES

9:00 AM – 2:00 PM **EXHIBIT HALL HOURS**

POSTER VIEWING

Viewable online via the meeting app and website

BREAKS

Refreshment Break

9:30 AM – 10:15 AM
12:15 PM – 1:45 PM

Lunch Break + Visit the Technical Exhibits
Lunch supported by Elekta
Posters and Exhibits close at 2:00 PM

PARTNERS in SOLUTIONS

Treatment Machine Performance Analysis and Data Trending Software

10:15 AM – 12:15 PM

Moderator: A. Schwarz
Speakers: L. Che Fru, V. Howard, D. Ritt, J. Tracy, G. Kim, M. Whitaker, A. Giuliacci, M. McCauley, M. Boone, N. Brand, D. Pavord, A. Pegram
Innovation Room

VENDOR SHOWCASE

Siemens Healthineers

9:30 AM – 10:00 AM

Speaker: J Kim
Innovation Room

Elekta

12:30 PM – 1:30 PM

Speaker: T Mauxion
Innovation Room

AAPM BUSINESS MEETING AND TOWN HALL

6:15 PM – 7:15 PM **Room 411**

	ROOM 151	ROOM 152	ROOM 408A	ROOM 408B	ROOM 411	ROOM 502A	ROOM 502B
7:30 AM – 8:30 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Spatially Fractionated Radiation Therapy (SFRT) Techniques Moderators: K. Sheikh, T. Zhao Speakers: S. Chang, H. Zhang, C. Simone	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Recently Published Task Group Reports from Therapy Physics Committee Moderator: S. Dieterich Speakers: M. Aima, Z. Chen, B. Pogue	Imaging Symposium: Diagnostic and Interventional Imaging DICOM Essentials and Practical Applications for Medical Physicists Moderator: J. Frimeth Speakers: H. Oosterwijk, N. Bevins, J. Frimeth	Imaging Symposium: Diagnostic and Interventional Imaging Pediatric Chest and Cardiac Imaging (Read w/ Expert) Moderators: S. McKenney, M. Bostani Speakers: P. Iskander, D. Carver, N. Artz	Professional Program: Professional Symposium Chart Checking Workflows and Systems: Pros and Cons Moderator: C. Buckley Speakers: E. Clouser, J. O'Daniel, S. Luk	Therapy Symposium: Image Guidance in Therapy Strategies for Clinically Implementing and Sustaining the Use of AI in Diagnosis and Radiation Therapy Moderator: T. Purdie Speakers: H. Whitney, S. Yoo, L. Conroy, R. Ger	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Updates in Nuclear Medicine Shielding Moderator: K. Matthews Speakers: M. Oumano, D. Hintenlang, K. Little
8:30 AM – 9:30 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Reporting Early Clinical Outcomes of Spatially Fractionated Radiation Therapy (SFRT) Moderator: D. Pokhrel Speakers: D. Pokhrel, S. Mossahebi, J. Kavanaugh, K. Sheikh, A. Molineu	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Cardiac Radioablation for Ventricular Tachycardia Patients: Opportunities and Pitfalls Moderators: M. Fast, G. Hugo Speakers: P. Samson, M. Rosu-Bubulac, P. Keall	Imaging Symposium: Diagnostic and Interventional Imaging Joint AAPM-SIIM Symposium: Development, Translation, and Outlook for Machine Intelligence in Medical Imaging Moderators: J. Siewerdsen, I. Reiser Speakers: K. Brock, K. Andriole, E. Siegel	Imaging Symposium: Diagnostic and Interventional Imaging Implementing Comprehensive Fluoroscopy Safety Programs: Achievable Best Practices for Physician Training; Radiation Dose Monitoring; and SRDL Case Follow-up, Review, and Analysis Moderator: M. Supanich Speakers: A. Goode, E. Marshall, M. Supanich	Professional Program: Professional Symposium Optimizing Physician Peer Review Chart Rounds for Quality and Safety: The Essential Role of Medical Physicists Moderators: J. Hoisak, I. Dragojevic Speakers: A. Kapur, W. Duggar, E. Covington	Therapy Scientific Session: Image Guidance in Therapy Quantitative Imaging in Radiotherapy	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Rational Combination of Radiopharmaceutical Therapy With External Beam Radiotherapy Moderator: I. Marsh Speakers: D. Polan, J. Humm, I. Marsh
10:15 AM – 11:15 AM	Professional Program: Professional Symposium Neurodiversity, Mental Health and the Rise of Burnout: Cultivating Mental Wellbeing at the Workplace Moderator: G. Aldosary Speakers: C. Thomas, E. Ford, D. Schofield	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Advances in Therapy QA and Delivery Verification	Imaging Symposium: Diagnostic and Interventional Imaging Session in Memory of Donovan Bakalyar: Appropriate Dose CT Imaging: Optimizing Protocols and Workflows towards Diagnostic Quality Moderator: I. Barreto Speakers: M. Vanderhoek, X. Duan, J. Solomon, I. Barreto, N. Murphy, E. Abadi, M. Medrano	Imaging Scientific Session: Diagnostic and Interventional Imaging Image Quality and New Technologies in X-Ray CT	Therapy Symposium: Image Guidance in Therapy JACMP Parallel Opposed Debate 2024: Technology, Innovation, and Profession: Session in Memory of Herbert W. Mower Moderators: Y. Rong, J. Burmeister Speakers: T. Mackie, X. Ding, D. Wang, P. Halvorsen, J. Adler, X. Jia, A. Kishan, L. Santanam	Therapy Symposium: Image Guidance in Therapy Development of in-Room Spectral X-Ray Imaging Technologies for Image Guided Radiation Therapy Moderator: C. Altunbas Speakers: J. Roeske, R. Berbeco, L. Shi, C. Altunbas	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Dosimetry and Radiation Safety Aspects in ¹⁷⁷Lu Therapeutics Moderators: J. Brosch-Lenz, S. Graves Speakers: D. Bergeron, J. Brosch-Lenz, C. Meyer, G. Hodges
11:15 AM – 12:15 PM	Professional Program: Professional Symposium Entrustable Professional Activities As a Tool for Resident Assessment and Feedback Moderators: C. Brunnquell, H. Al-Hallaq Speakers: C. Brunnquell, H. Al-Hallaq, D. Golden	Therapy Scientific Session: Therapeutic Planning, Delivery, Adaptation Advances in Therapy QA and Delivery Verification	Imaging Symposium: Diagnostic and Interventional Imaging Future of Breast Imaging: Specificity vs. Affordability Moderators: K. Little, A. Tao Speakers: D. Ikeda, J. Chalfant	Professional Program: Professional Symposium Staffing for Team Work in Radiotherapy: IMRT, Special Procedure, Adaptive Therapy Moderators: H. Al-Hallaq, M. Lin Speakers: M. Martel, K. Langen, C. Hampton, D. Hyer, X. Ray, I. Gallagher	Therapy Symposium: Radiation Physics, Dosimetry, Biology Clinical Application of Multiscale Human Digital Twins Moderator: G. Agasthya Speakers: E. Samei, A. Badano, W. Balch, G. Agasthya	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Biologically Standardize Dose, Normal Organ Tolerance and RPT-TEC Moderator: R. Hobbs Speakers: N. Prandit-Taskar, J. Hesterman	
1:30 PM – 2:30 PM	Therapy Symposium: Radiation Physics, Dosimetry, Biology PENTEC: Pediatric Organ Dose Constraints Moderator: C. Hua Speakers: C. Hua, A. Olch, A. Jackson	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation It's All in the Script! Resources for Writing Code and Implementing Automation Moderators: C. Swanson, M. Barker Speakers: M. Barker, B. Vincent, R. Cardan	Imaging Symposium: Diagnostic and Interventional Imaging Role of Spectral & DECT in the Clinic Moderators: K. Little, A. Tao Speakers: M. Jacobsen, S. Leng	Professional Program: Professional Symposium Speed Mentoring at the AAPM Annual Meeting! Moderators: J. Hoisak, R. Miller Speakers: J. Hoisak, R. Miller	Therapy Symposium: Image Guidance in Therapy Recent Advances in Robotic Systems for RT and Radiosurgery Moderator: K. Sheng Speakers: L. Jin, T. Mackie, K. Sheng	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine New and Developing PET Techniques SNMMI Moderator: J. Clements Speakers: G. Ulaner, M. Dahlbom	
2:30 PM – 3:30 PM	Therapy Scientific Session: Radiation Physics, Dosimetry, Biology Outcomes and Toxicities	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Development, QA and Management of Less-Code and Code-Less Software Moderator: R. Siochi Speakers: R. Siochi, W. Keranen, R. Munbodh, G. Sharp, G. Salomons	Imaging Symposium: Diagnostic and Interventional Imaging Road to Trustworthy AI: Uncertainty Management, Interpretability, and Beyond Moderators: L. Ren, H. Whitney Speakers: X. Yang, M. Moassefi, L. Ren, G. Chen	Professional Program: Professional Symposium MedPhys Slam Moderators Speakers: P. Ramesh, M. Servati	Therapy Scientific Session: Image Guidance in Therapy Cone-Beam CT in Radiotherapy	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Clinical AlphaRPT Moderator: B. Miller Speakers: J. Brosch-Lenz, S. Graves, P. Vo	
4:30 PM – 6:00 PM	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Collaborative Resident Education for Brachytherapy and Radiopharmaceuticals Moderator: A. Baghwala Speakers: S. Simiele, A. Besemer, A. Baghwala, R. Hobbs	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Current and Emerging Uses of Surface Guided Radiotherapy Moderators: L. Cervino, D. Parsons Speakers: G. Kim, D. Stanley, D. Parsons, M. Tallhamer	Imaging Symposium: Diagnostic and Interventional Imaging What the Medical Physicist Should Know about Breast Cancer Screening: BI-RADS Classification, Breast Density, and MQSA Updates Moderator: I. Reiser Speakers: I. Reiser, D. Ikeda, W. Geiser	LOCATION: ROOM 403	Therapy Symposium: Image Guidance in Therapy Biomedical Optics for Radiation Therapy Moderators: K. Wang, D. McClatchy Speakers: D. McClatchy, Y. Yang, K. Wang, T. Zhu, K. Sankoe	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Pre-clinical and Translational AlphaRPT and Dosimetry Moderator: B. Miller Speakers: R. Peter, R. Bastiaannet, R. Hobbs, B. Miller	

PROGRAM AT A GLANCE | THURSDAY, JULY 25

- Imaging
- Radiopharmaceuticals
- Therapy
- Professional

	ROOM 151	ROOM 152	ROOM 408A	ROOM 408B	ROOM 411	ROOM 502A	ROOM 502B
7:30 AM – 8:30 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Joint IOMP/AAPM Symposium: Hot Topics and Challenges in Patient and Facility Shielding Moderators: M. Stoeva, J. Damilakis Speakers: R. Milman, M. Martin	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation The Role of Hyperthermia in Multidisciplinary Cancer Care: What Every Medical Physicist Needs to Know Moderator: M. Hurwitz Speakers: R. Griffin, M. Guerrero, M. Hurwitz, W. Straube	Imaging Symposium: Diagnostic and Interventional Imaging ACR Updates for Imaging Physicists Moderators: D. Gress, M. Olanioy Speakers: D. Gress, K. Hulme, X. Li, S. McKenney, M. Bostani, I. Barreto	Imaging Scientific Session: Diagnostic and Interventional Imaging AI for Image Formation	Professional Program: Professional Symposium Enhancing Radiation Risk Communication - Bridging the Gap between Science and Society Moderator: J. Pollard-Larkin Speakers: D. Dahlstrom, M. Mahesh, T. Atwood, A. Kapadia	Therapy Scientific Session: Image Guidance in Therapy Proton Therapy Imaging	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine I-131 Patient Release, Dosimetry and New Therapies Moderators: N. Maughan, S. Gallo Speakers: K. Cashon, C. Meyer, D. Adam
8:30 AM – 9:30 AM	Therapy Scientific Session: Radiation Physics, Dosimetry, Biology FLASH Biology and Mechanism	Therapy Scientific Session: Therapeutic Planning, Delivery, Adaptation Machine Learning Applications			Professional Program: Professional Symposium Shaping the Future of Medical Physics Practice: AAPM's State Initiatives and Impact Moderator: J. Wait Speakers: J. Rivera, R. Tarver	Therapy Symposium: Image Guidance in Therapy Biological Image Guidance for Spatial-Temporally Adaptive Radiotherapy (BIGSTAR) Moderators: B. Cai, D. Han Speakers: D. Han, R. Timmerman, S. Bowen, M. Matuszak	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Physicist Patient Consults Moderator: J. Clements Speakers: M. Jafari, M. Mardiros
9:30 AM – 10:00 AM	COFFEE BREAK LEVELS 2						
10:00 AM – 11:00 AM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Monte Carlo Modeling in Radiation Biology and Radiation Chemistry: Where We Are, What We Challenged and Where We Go Moderator: J. Ramos-Mendez Speakers: M. Missiaggia, J. Ramos-Mendez, R. Ortiz	Therapy Scientific Session: Therapeutic Planning, Delivery, Adaptation Advancing New Frontiers	Imaging Symposium: Diagnostic and Interventional Imaging New(ish) Frontier in Imaging Physics: CMS Quality Measure Reporting Moderators: S. Brady, E. Thompson Speakers: E. Samei, D. Gress	Imaging Symposium: Diagnostic and Interventional Imaging AI for Image Formation in X-Ray Imaging Moderator: B. De Man Speakers: J. Stayman, E. Haneda, S. Ravishankar	Professional Program: Professional Symposium Broadening the Horizons of Medical Physics: Exploring New Avenues Moderators: Q. Chen, A. Anand Speakers: J. Zhang, Q. Chen, A. Anand	Therapy Scientific Session: Image Guidance in Therapy Novel Imaging and Therapy Developments	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine PET/CT Performance Evaluations Moderator: T. Fisher Speakers: N. Busse
11:00 AM – 12:00 PM	Therapy Scientific Session: Radiation Physics, Dosimetry, Biology Modeling and Radiobiology	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation AI in Adaptive Proton Therapy Moderators: J. Kruse, Y. Lin Speakers: F. Albertini, A. Lalonde, K. Brock	Imaging Scientific Session: Diagnostic and Interventional Imaging Lung Functional Imaging and Analysis	Imaging Scientific Session: Diagnostic and Interventional Imaging AI in Image Analysis	Professional Program: Professional Symposium The Role of Medical Physics in Imaging to Meet the Needs of Clinical Trials and Data Science Moderator: S. Armato Speakers: S. Armato, A. Ferrero, G. Kim, N. Grusauskas	Therapy Scientific Session: Image Guidance in Therapy Imaging for Treatment Response	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine SPECT/CT Performance Evaluations Moderator: T. Fisher Speakers: V. Ferri
12:00 PM – 1:00 PM	LUNCH ON YOUR OWN						
1:00 PM – 2:00 PM	Therapy Symposium: Radiation Physics, Dosimetry, Biology Small Field Dosimetry for MR-Linacs Moderators: I. Das, B. Muir Speakers: I. Das, S. Lim, B. Muir, Y. Cervantes-Espinosa	Therapy Scientific Session: Therapeutic Planning, Delivery, Adaptation Proton and Particle Therapy	Imaging Scientific Session: Diagnostic and Interventional Imaging Interventional Imaging	Imaging Scientific Session: Diagnostic and Interventional Imaging AI for Classification and Prediction	Professional Program: Professional Symposium From Aspiration to Promotion: Strategies for Medical Physics Career Success Moderator: D. Zheng Speakers: D. Zheng, M. Kim, A. Godley, L. Cervino	Therapy Scientific Session: Image Guidance in Therapy Deformable Image Registration and Segmentation	Radiopharmaceuticals Scientific Session: Theranostics, Nuclear Medicine Nuclear Medicine
2:00 PM – 3:00 PM	Therapy Scientific Session: Radiation Physics, Dosimetry, Biology Proton Therapy Radiobiology	Therapy Symposium: Therapeutic Planning, Delivery, Adaptation Proton Enhanced Radioimmunotherapy with Flash Effect in Cancer Treatment (PERFECT) Moderator: W. Ngwa Speakers: J. Schuemann, X. Yang, V. Ainsworth, W. Ngwa	Imaging Scientific Session: Diagnostic and Interventional Imaging MRI Acquisition and Reconstruction	Imaging Scientific Session: Diagnostic and Interventional Imaging Establishing Ground Truth in AI	Professional Program: Professional Symposium Promoting Medical Physics in Low/Medium Income Countries Moderators: E. Omari, A. Yorke Speakers: M. Carrara, M. Stoeva, M. Bardies	Therapy Scientific Session: Image Guidance in Therapy MR-Guided Radiotherapy	Radiopharmaceutical Symposium: Theranostics, Nuclear Medicine Radioactivity Production Moderator: R. Abergel Speakers: Y. Li, R. Abergel