Key to Track Color Codes	Professional	Therapy Education	Therapy Scientific	Joint Imaging - Therapy Scientific	Imaging Scientific	Imaging Education	Practical Medical Physics	Quantitative Imaging	Technical Exhibit Hall

56th AAPM Annual Meeting Program

Sunday, July 20

A 9:30 - 11:00	Education Council Symposium **Online Education in Medical Physics** Moderator: J Dobbins J Dobbins, J Prisciandaro, C Bloch, E Gingold, G Starkschall, M Oldham, P Sprawls, Y Xiao Ballroom F					AAPM Medical Physics Student Meeting **Beyond Clinical Medical Physics: Entrepreneurship and Opportunities in Industry** Moderators: A Rodriguez, J Stanford S Robertson, R Pizzutiello, M Svatos Ballroom E					
B 11:00 - 12:30	Professional Council Symposium **The Evolving US Healthcare Delivery Model – How Will the Medical Physics Profession Be Impacted and How Should We Respond?** Moderator: P Halvorsen P Halvorsen, K Shine, G White Ballroom F										

12:30 Exhibit Hall Opens
Refreshment Break in Exhibit Hall

	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
C 1:00 - 1:55	Therapy SNAP Oral **Brachytherapy - HDR Techniques** R Cormack, M Fox	Therapy SNAP Oral **Immobilization Devices and Techniques** J Reiff, P Balter	Therapy SNAP Oral **Radiobiology Modeling and Pre-Clinical Studies** R Berbco, E Armour	Therapy SNAP Oral **Safety and Novel QA Systems** M Sharpe, B Thomadsen	Joint Imaging - Therapy SNAP Oral **Motion Evaluation and Prediction** J Siebers, W D'Souza	Joint Imaging - Therapy SNAP Oral **MR-Guided RT** Y Hu, P Keall	Joint Imaging - Therapy SNAP Oral **Image Registration and Segmentation** E Schreibmann, G Sharp	Imaging SNAP Oral **Radiography/Fluoroscopy** E Gingold, K Fetterly	Imaging SNAP Oral **Nuclear Medicine Imaging** O Mawlawi, M King	Imaging SNAP Oral **CT Dosimetry** K Kanal, X Li	
D 2:05 - 3:00	Therapy SNAP Oral **Outcome Assessment and Modeling** T McNutt, A Jackson	Therapy SNAP Oral **Electron Beam Therapy** J Antolak, D Switzer	Therapy SNAP Oral **Proton Beam Delivery Techniques** J Farr, E Klein	Therapy SNAP Oral **Informatics and Cloud-Based Techniques** B Curran, Q Wu	Joint Imaging - Therapy SNAP Oral **Novel Techniques for IGRT and Brachytherapy** C Glide-Hurst, N Yue	Joint Imaging - Therapy SNAP Oral **Imaging for Respiratory Motion** S Jiang, D Hristov	Joint Imaging - Therapy SNAP Oral **Real-Time Imaging and Tracking** J Rottmann, S Jiang	Imaging SNAP Oral **MRI: Novel Techniques and Safety** J Ma, Y Shu	Imaging SNAP Oral **Multi-Modality/PET** B Pogue, T Pan	Imaging SNAP Oral **Cone-Beam CT** G Chen, L Zhu	
	EXHIBIT HALL (Refreshment Breaks, Posters and Technical Exhibits) **3:00 - 3:30 Refreshment Break in Exhibit Hall**										
E 3:00 - 6:00	**CAMPUS POSTER DISCUSSIONS** Imaging Campus: Innovation in Imaging Dosimetry Joint Imaging-Therapy Campus: QA for Image-Guided Radiation Therapy Therapy Campus: Novel Measurement Tools and Equipment QA Therapy Campus: Patient Specific QA in Proton Therapy Provosts available 3:00 - 4:00/Presenting Authors available 3:00 - 6:00			**GENERAL POSTER DISCUSSION** Education, Imaging, Joint Imaging-Therapy, Professional, Quantitative Imaging, Therapy Presenting Authors available 3:00 - 6:00				**BEST IN PHYSICS** Poster Theaters and Discussion in the Exhibit Hall Presenting Authors available 3:30 - 4:00			
F 4:00 - 6:00	VISIT THE VENDORS and POSTER VIEWING	Therapy SNAP Oral **Brachytherapy Planning and Dose Calculation** F Mourtada, W Butler	Therapy SNAP Oral **Dose Measurement Tools and QA** R Staton, S Beddar	Therapy SNAP Oral **Photon Therapy Planning and Dose Calculation** C Mayo, N Papanikolaou	Joint Imaging - Therapy SNAP Oral **DIR and Dose Impact** J Yang, L Dong	VISIT THE VENDORS and POSTER VIEWING	VISIT THE VENDORS and POSTER VIEWING	Imaging SNAP Oral **CT Topics** E Samei, J Rong	VISIT THE VENDORS and POSTER VIEWING	VISIT THE VENDORS and POSTER VIEWING	

Monday, July 21

	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
A 7:30 - 8:25	Professional Symposium **QA Procedures and Metrics: In Search of QA Usability** S Tripathi, V Sathiaseelan, B Thomadsen	Professional Symposium **Interview Like Your Job Depended On It!** R Miller, M Meineke	7:30 - 9:30 **John R. Cameron Young Investigator Symposium** Moderators: M Martel, G Frey Ballroom D					SAM SESSION (7:30 - 8:30) Therapy Educational Course **Proton Therapy I: Basics of Proton Therapy** B Arjomandy, N Sahoo, M Pankuch	Practical Medical Physics **Innovation in Medical Physics Practice: 3D Printing Applications** E Ehler, J Perks, K Rasmussen, P Bakic	Imaging Educational Course **Joint Imaging Education - Quantitative Imaging Symposium: Genomics and Image-omics for Medical Physicists** M Giger, M Cowperthwaite, M Markey	
B 8:30 - 9:30	Professional Symposium **In Memoriam of Donald D. Tolbert: Surviving the Politics of Radiation Therapy** R Tarver, R Morin, J Bayouth, J Limmer	Professional Symposium **MOC: A How-To Guide** G Frey, J Allison, J Seibert, G Ibbott						SAM SESSION Therapy Educational Course **Proton Therapy II: Proton Stereotactic Radiotherapy** B Winey, J Daartz			
	9:30 - 10:15 Coffee Break in Exhibit Hall										
C 10:15 - 11:10		Professional Symposium **Grantsmanship and Funding** H Paganetti, K Farahani, G Evans, K Brown, M Davis, M Meltsner, S Beddar	Joint Imaging - Therapy Symposium **The WMIS-AAPM Joint Symposium: Advances in Molecular Imaging** J Hazle, A Wu, C Contag, B Pogue, J Lewis	SAM SESSION (10:15 - 11:15) Therapy Educational Course **SBRT I: Overview of Simulation, Planning, and Delivery** J Cai, K Wijesooriya, S Benedict	SAM SESSION (10:15 - 11:15) Therapy Educational Course **Pediatric Treatment Planning I: Overview of Planning Strategies** A Olch, C Hua	Joint Imaging - Therapy Scientific Session **DIR and Dose Impact** E Ahunbay, I Chetty	Imaging Symposium **Advances in Model-Based 3D Image Reconstruction** J Siewerdsen, L Yu, G Chen, X Pan, J Stayman, E Samei	Imaging Educational Course **Radiation Risks at Level of Few CT Scans: How Real?- Science to Practice** M Rehani, E Samei, W Morgan, R Shore, M Goske	Practical Medical Physics **Effective Medical Physics Educational Activities: Models and Methods** P Sprawls	Quantitative Imaging Symposium **Quantitative Imaging Initiatives: Why, Who, What, and How?** D Sullivan, E Jackson, L Clarke, N Petrick, S Russek	
D 11:15 - 12:15	Professional Symposium **International Day of Medical Physics** M Rehani, K Cheung, J Damilakis			SAM SESSION Therapy Educational Course **In Memoriam of Bengt Bjarngard: SBRT II: Small Field Dosimetry - TG155** I Das, C Reft	Therapy Educational Course **Pediatric Treatment Planning II: The PENTEC Report on Normal Tissue Complications** E Yorke, L Constine, D Hodgson, S Bentzen				Practical Medical Physics **"Stop Lecturing Me!" - New Methods for Teaching Medical Physics** G Starkschall, S Kry, R Howell		Partners in Solutions 11:15 - 12:15 PM **CT Dose Optimization Technologies I** Moderator: D Pfeiffer
	12:15 - 1:45 Lunch Break + Visit the Technical Exhibits										
E 1:45 - 2:40	Professional Symposium **Preparing for the ABR Therapy Medical Physics Exam** P Galavis, B Chinsky, S Becker	Professional Symposium **Preparing for the ABR Diagnostic Medical Physics Exam** M Supanich Z Grelewicz, J Wang, M Vanderhoek	Therapy Symposium **Determination, Minimization and Communication of Uncertainties in Radiation Therapy** J Van Dyk, J Palta, T Bortfeld, B Mijnheer	Therapy Symposium **Adapt-A-Thon - Texas Hold'em Invitational** M Kessler, K Brock, J Pouliot, L Dong	Joint Imaging - Therapy Symposium **Research Opportunities in Technology for Innovation in Radiation Oncology (Highlight of ASTRO NCI 2013 Workshop)** M Martel, S Hahn, D Jaffray, I Chetty, S Benedict	Imaging Scientific Session **CT Dosimetry** D Bakalyar, D Zhang	SAM SESSION Imaging Educational Course **Best Practice In Pediatric Imaging** C Willis, K Strauss, R MacDougall, C Sammet	Education Session **Innovation in Medical Physics Education** V Montemayor, S Avery	Therapy Educational Course **Risk Based Quality Management: TG100 In Action** S Huq, J Palta, P Dunscombe, B Thomadsen	Quantitative Imaging Symposium **Quantitative Imaging: Techniques, Applications, and Challenges** E Jackson, M McNitt-Gray, R Jeraj, Y Cao	
F 2:45 - 3:45		Professional **Proffered Session** R Tarver									Partners in Solutions 2:45 - 3:45 PM **Tools for TG-142 Linac Imaging QA I** Moderator: R Stern
	3:45 - 4:30 Refreshment Break in Exhibit Hall										
G 4:30 - 5:15	**Student and Trainee Mock-Interviews** Pre-registration Required	Professional Symposium **ABR Exams; A Glimpse Behind the Curtains** G Ibbott, S Dieterich, M Yester, J Allison, J Seibert	Therapy Scientific Session **Patient Safety and Quality Improvement** T Pawlicki, E Ford	Therapy Educational Course **Point-Counter Debate: Arc Based Techniques Will Make Conventional IMRT Obsolete** C Orton, D Shepard, R Popple, P Balter	Joint Imaging - Therapy Scientific Session **Physics of Cancer 2** K Sheng, L Court	Imaging Scientific Session **Nuclear Medicine Imaging** M Hatt, P Kinahan	SAM SESSION Imaging Educational Course **Radiation Dose Reducing Strategies in CT, Fluoroscopy and Radiography** M Mahesh, E Gingold, K Jones	Imaging Scientific Session **MRI: Acquisition Physics and QA** D Pickens, Y Hu	Practical Medical Physics **Imaging Refresher for Standard of Care Radiation Therapy** Z Labby, W Sensakovic, E Hipp, M Altman	Quantitative Imaging Symposium **Quantitative Imaging Metrology: What Should be Assessed and How?** E Jackson, M Giger, N Petrick, N Obuchowski, P Kinahan	
H 5:15 - 6:00		Therapy Scientific Session **Electron Beam Therapy - Novel Applications** K Hogstrom, T Zhu									

6:30 - 8:00 AAPM Awards Ceremony - Hilton Austin/Austin Grand Ballroom
and
8:00 - 9:00 Reception - Foyer

Tuesday, July 22

	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
A 7:30 - 8:25	Professional Symposium **Medical Physics Meets the Press: How to Talk to the Public Media** D Pfeiffer, S Opila	SAM SESSION (7:30 - 8:30) Therapy Educational Course **Image Co-Registration I: Introduction and Review** M Kessler	Therapy Symposium **The Relative Biological Effectiveness of Proton Beams Relative to Photon Beams** H Paganetti, R Stewart, A Carabe-Fernandez	Therapy Educational Course **Outcomes of Hypofractionated Treatments - Initial Results of the WGSBRT** J Grimm, E Yorke, X Li, P Lee, N Ohri, M Joiner, F Kong, A Jackson	Joint Imaging - Therapy Symposium **MR Guided Radiation Therapy** T Stanescu, J Balter, T Nyholm, J Lagendijk	Imaging Symposium **In Memoriam of Benjamin M. Galkin: Virtual Tools for Validation of X-Ray Breast Imaging Systems** P Bakic, K Myers, N Suntharalingam, C Abbey, M Kupinski, T Mertelmeier	SAM SESSION Imaging Educational Course **Basic Principles of PET/CT, Calibration Methods and Contrast Recovery Across Multiple Cameras** C Kappadath, J Nye	SAM SESSION Imaging Educational Course **ACR Accreditation Updates in CT, Ultrasound, Mammography and MRI** J Kofler, R Price, E Berns, N Hangiandreou, M McNitt-Gray	Imaging Scientific Session **Optical, Ultrasound, and Emerging Imaging Techniques** L Xing, X Tang	Quantitative Imaging Scientific Session **X-Ray and CT** S Armato, S Fain	
B 8:30 - 9:30	Professional Symposium **To Which Journal Should I Submit My Paper** J Williamson, T Pawlicki, M Mills, E Klein	SAM SESSION Therapy Educational Course **Image Co-Registration II: TG132- Quality Assurance for Image Registration** K Brock, S Mutic									
	9:30 - 10:15 Coffee Break in Exhibit Hall										
	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
C 10:15 - 11:15	Therapy Educational Course **Joint AAPM/SEFM/AMPR Educational Workshop on "Education of Radiotherapy Physicists"** M Mahesh, C Borras, G Frey, M Ribas, F Ballester, P Kazantsev, D Kostylev	Professional Symposium **"Leaning In" to Equal Opportunity for Women: The Responsibility of Individuals, Employers and Organizations** N Ranger, E Travis	Therapy Scientific Session **KEYNOTE SESSION: Photon Therapy Treatment Delivery and Verification** J Siebers, N Agazaryan	SAM SESSION Therapy Educational Course **Image Guided SBRT I: Multi-modality 4D Imaging** F Yin, J Cai, G Mageras, T Pan	Joint Imaging - Therapy Symposium **Innovation in Medical Physics and Engineering** S Tripathi, R Mohan, N Pelc, D Jaffray, R Mackie	Therapy Scientific Session **Photon Therapy - Inverse Planning and Plan Evaluation** M Phillips, C Yu	Imaging Symposium **Models of Risk from Low-dose Radiation Exposures: What Does the Evidence Say?** C McCollough, J Bushberg, D Boreham, B Ulsh	Imaging Educational Course **Medical Physics 1.0 to 2.0: Introduction and Panel Discussion** D Pfeiffer, E Samei, G Frey, E Krupinski, R Pizzutiello, P Carson, M Mahesh, N Hangiandreou, D Jordan, R Dixon	Practical Medical Physics **IROC Organization and Clinical Trial Credentialing** D Followill, A Molineu, Y Xiao	Quantitative Imaging Scientific Session **MR and Multimodality** R Jeraj, M Giger	
D 11:15 - 12:15				SAM SESSION Therapy Educational Course **Image Guided SBRT II: Challenges & Pitfalls** Z Chang, F Yin, J Cho					SAM SESSION Practical Medical Physics **TG176: Dosimetric Effects of Couch Tops and Immobilization Devices** A Olch		Partners in Solutions 11:15 - 12:15 PM **CT Dose Optimization Technologies II** Moderator: L Yu
	12:15 - 1:45 Lunch Break + Visit the Technical Exhibits										
E 1:45 - 3:45	President's Symposium **The Necessity of Innovation in Medical Physics** Moderator: J Bayouth J Bayouth, J Siewerdsen, E Wahl Ballroom D										
	3:45 - 4:30 Refreshment Break in Exhibit Hall										
F 4:30 - 6:00	Professional Symposium **Communicating Risk** D Pfeiffer, C McCollough, L Wagner, J Kofler, L Brateman	Professional Symposium **New Member Symposium** J Keener, G Sherouse, R Miller	Therapy Scientific Session **SBRT/SRS: Dose Measurement Tools and Equipment QA** T Solberg, P Dunscombe	Therapy Symposium **Biomedical Informatics for Medical Physicists** M Phillips, I Kalet, T McNutt, W Smith	Joint Imaging - Therapy Scientific Session **Planning, Registration and Segmentation** C Coolens, H Li	Joint Imaging - Therapy Scientific Session **Motion Evaluation and Prediction** G Mageras, F Yin	Imaging Scientific Session **Multi-Energy CT** S Molloi, S Leng	Imaging Scientific Session **Breast Imaging** A Karellas, I Sechopoulos	Practical Medical Physics **Balancing Image Quality and Dose in Radiography** R Marsh, D Peck, A Pasciak	Quantitative Imaging Scientific Session **Nuclear Medicine, Optical, and Ultrasound** O Mawlawi, P Carson	

6:30 - 10:00 AAPM Night Out - Bob Bullock Texas State Museum

Wednesday, July 23

	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
A 7:30 - 8:25	Professional Symposium **International Medical Physics Symposium: Increasing Access to Medical Physics Education/training and Research Excellence** T Bortfeld, T Ngoma, F Odedina, S Morgan, R Wu, E Sajo, W Ngwa	SAM SESSION (7:30 - 8:30) Therapy Educational Course **SRT I: Comparison of SRT Techniques** G Kim, D Schlesinger, M Descovich	SAM SESSION Therapy Symposium **Debate: To Measure or Not to Measure** J Moran, M Miften, D Mihailidis	Therapy Educational Course **Innovation in Radiation Therapy Planning I: Knowledge Guided Treatment Planning** F Yin, S Mutic, Q Wu, L Olsen	Joint Imaging - Therapy Symposium **Dual-Energy CT Imaging in Diagnostic Imaging and Radiation Therapy** S Molloi, B Li, F Yin, H Chen	Therapy Scientific Session **Brachytherapy Techniques** R Flynn, W Song	SAM SESSION Imaging Educational Course **TG246 on Patient Dose from Diagnostic Radiation** M Supanich, F Dong, J Andersson, W Pavlicek, W Bolch, K Fetterly	Imaging Symposium **Emerging and Innovative Ultrasound Technology in Diagnosis and Therapy** M Holland, S Emelianov, A Oraevsky, J Stafford	Practical Medical Physics **ABR Interactive Hands-On Question Writing Workshop** G Frey, D Breckenridge, H Hopkins Ticketed Event	Imaging Educational Course **Medical Physics 1.0 to 2.0, Session 2: Radiography, Mammography and Fluoroscopy** E Samei, E Gingold, A Karellas, K Strauss	
B 8:30 - 9:30		SAM SESSION Therapy Educational Course **SRT II: Uncertainties in SRT** S Dieterich, D Schlesinger, S Generser		Therapy Educational Course **Innovation in Radiation Therapy Planning II: Cloud Computing in RT** K Moore, G Kagadis, L Xing, T McNutt							
	9:30 - 11:00 Coffee Break and Visit the Vendors in Exhibit Hall										
C 9:30 - 11:00	**VISIT THE VENDORS** **Technical Exhibits Area**										
	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
D 11:00 - 12:15	Professional Symposium **ACR Radiology Leadership Institute** J Clements, G Rubin	Professional Symposium **Clinical Training of Physics Residents: How Do We Efficiently Teach Residents to Become Excellent Clinical Physicists?** S Dieteric, J Gibbons, G Sherouse, A Siochi	Therapy Scientific Session **Biological Effect and Outcome Modeling** I El Naqa, M Martel	Therapy Educational Course **Innovation in Radiation Therapy Delivery: Advanced Digital Linac Features** L Xing, J Wong, R Li	Joint Imaging - Therapy Scientific Session **Imaging for Particle Therapy** F Van den Heuvel, J Kruse	Therapy Scientific Session **Particle Therapy Dose Measurement and Scanning Beam Delivery** B Clasie, S Both	Imaging Scientific Session **CT Image Quality** M Goodsitt, L Yu	SAM SESSION Imaging Educational Course **Art of Imaging: Diagnostic Ultrasound Image Artifacts** J Zagzebski, Z Lu	Imaging Scientific Session **PACS/Display/Image Registration** S Langer, W Mao	Imaging Educational Course **Stereotactic Breast Biopsy** R Pizzutiello. V Patel	Partners in Solutions 11:15 - 12:15 PM **Tools for TG-142 Linac Imaging QA II** Moderator: B Heintz
	12:15 - 1:45 Lunch Break + Visit the Technical Exhibits **NOTE: Exhibits Close at 2:00 pm**										
E 1:45 - 2:40	Professional Symposium **Medical Physics Economics Update** J Goodwin, B Dirksen, J White	Professional Symposium **Globalization of Medical Physics** M Rehani, A Meghzifene, V Tsapaki, R Padovani, Y Pipman, E Lief	Therapy Scientific Session **Pre-Clinical Radiobiology and Imaging Studies** S Chang, J Deasy	SAM SESSION (1:45 - 2:45) Therapy Educational Course **HDR Brachytherapy I: Overview of Clinical Application and QA** S Benedict, B Libby, T Showalter	Joint Imaging - Therapy Symposium **The ESTRO-AAPM Joint Symposium on Imaging for Proton Treatment Planning and Guidance** F Vandenheuvel, G Ezzel, K Parodi, D Dauvergne, J Kruse	Joint Imaging - Therapy Scientific Session **Science Council Session: The Physics of Cancer** R Jeraj, L Nagahara	Imaging Scientific Session **Radiography/Fluoroscopy** A Jones, W Zhao	Imaging Symposium **Multi-Energy CT: Current Status and Recent Innovations** N Pelc, C McCollough, L Yu, T Schmidt	SAM SESSION **Imaging Educational Course** **Ultrasound Elasticity** P Carson, B Fowlkes, S Emelianov, T Hall, R Bouchard	Practical Medical Physics **Medical Physics 1.0 to 2.0: MRI, Displays, Informatics** E Samei, D Pickens, M Flynn, D Peck	
F 2:45 - 3:45	Therapy Scientific Session **Application of 3D Printer Technology in Radiation Therapy** T Waldron, B Curran			SAM SESSION Therapy Educational Course **HDR Brachytherapy II: Integrating Imaging with HDR** O Craciunescu, D Todor, A de Leeuw							
	3:45 - 4:30 Refreshment Break - Ballroom D Foyer										
G 4:30 - 6:00	History Symposium **Evolution of Radiation Treatment Planning** L Rothenberg, R Mohan, J Van Dyk, B Fraass, T Bortfeld	Professional Symposium **Radiologists and Medical Physicists: Working Together to Achieve Common Goals** A Jones, J Ma, J Steele, H Choi	Therapy Scientific Session **Nanoparticle Applications for Radiation Therapy** J Schuemann, S Cho	Joint Imaging - Therapy Scientific Session **SBRT and SRS** G Kim, L Wang	Joint Imaging - Therapy Scientific Session **Real-Time Imaging and Tracking** G Hugo, L Cervino	Joint Imaging - Therapy Scientific Session **MRI in the Treatment Room** T Nyholm, S Mutic	Imaging Scientific Session **CT Image Reconstruction** X Pan, J Stayman	Imaging Scientific Session **MRI: Image Quality and Applications in RT** R Stafford, J Cai	Practical Medical Physics **Radiation Oncology Outcomes Informatics** C Mayo, R Miller, J Sloan, J Wu, R Howell	Imaging Educational Course **High Intensity Focused Ultrasound Surgery and Therapy** T Wilson, T Lynch, K Farahani, B O'Neill	

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

Thursday, July 24

	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
A 7:30 - 8:25	SAM SESSION Therapy Educational Course **Image Quality for the Radiotherapy Physicists: Review of the Fundamentals and Automated Techniques** J Siebert, P Imbergamo	Therapy Scientific Session **Monte Carlo and GPU Techniques for Proton Therapy Dose Calculation** X Jia, B Faddegon	Therapy Symposium **The Status of Intensity Modulated Proton and Ion Therapy** L Dong, R Zhu, J Unkelbach, R Schulte	SAM SESSION Therapy Educational Course **Radiation Biology for Radiation Therapy Physicists** S Benedict, C Orton, C Borras, D Carlson	Joint Imaging - Therapy Scientific Session **MRI-Guided RT** J Balter, J Lagendijk	Imaging Symposium **Innovation in PET Instrumentation and Applications** M Casey, R Miyaoka, Y Shao	SAM SESSION Imaging Educational Course **Innovation in Clinical Breast Imaging** I Reiser, B Liu, K Yang, M Yaffe, J Chen	Imaging Scientific Session **Cone-Beam CT** J Siewerdsen, J Wang	Therapy Scientific Session **SBRT/SRS:Planning and Delivery Techniques** L Wang, J Burmeister	Imaging Educational Course **Medical Physicist's Role in Digital Information Security: Threats, Vulnerabilities and Best Practices** S Langer, K McDonald, B Curran	
B 8:30 - 9:30										Imaging Educational Course **TG124 "A Guide for Establishing a Credentialing and Privileging Program for Users of Fluoroscopic Equipment in Healthcare Organizations"** M Moore	
	9:30 - 10:15 Coffee Break - Ballroom D Foyer										
	Room 16A	Room 19A	Ballroom E	Ballroom D	Ballroom F	Room 17A	Room 18A	Room 18C	Room 9A	Room 12A	
C 10:15 - 11:10	Professional Symposium **MBAs for Medical Physicists** R Tarver, D Kim	Therapy Scientific Session **Detector and Dose Measurement Tools** C Reft, M McEwen	Therapy Educational Course **IGART: Fast On-Line Planning for IGART** J Lagendijk, U Oelfke, B Raaymakers, X Jia, E Ahunbay, X Li	Therapy Scientific Session **Particle Therapy Planning and Robustness Evaluation** C Beltran, A Trofimov	Joint Imaging - Therapy Symposium **The Promise and Potential Pitfalls of Deformable Image Registration in Clinical Practice** K Brock, M Oldham, J Pouliot, J Cai	Joint Imaging - Therapy Scientific Session **Novel Imaging Methods for Therapy** C Pelizzari, D Yang	Imaging Scientific Session **Multi-Detector CT** J Hsieh, N Pelc	SAM SESSION Imaging Educational Course **MRI Safety** R Pooley, M Bernstein, A Panda, Y Shu, K Gorny, J Felmlee	Practical Medical Physics **Lean Tools and Methods** D Rangaraj, K Chan, S Boddu, T Pawlicki, S Dieterich	Therapy Scientific Session **Novel Photon Dose Delivery Techniques** N Papanikolaou, J DeMarco	
D 11:15 - 12:15	Professional Symposium **Writing and Reviewing Papers for Medical Physics** P Slattery, J Williamson, S Das, M Goodsitt										
	12:15 - 1:00 Grab -N- Go Lunch - Ballroom D Foyer										
							Room 18A		Room 9A		
E 1:00 - 1:55	Professional Symposium **Building, Maintaining and Improving Physics Residency Program** E Klein, J Nye	SAM SESSION Therapy Educational Course **Quality and Safety in Radiation Therapy** E Ford, G Ezzell, B Miller, E Yorke	Therapy Scientific Session **Photon Therapy - Planning and Dose Calculation Methods** J Mechalakos, J Seuntjens	Therapy Symposium **Innovation in (gold) Nanoparticle-enhanced Therapy** S Krishnan, B Chithrani, R Berbeco	Joint Imaging - Therapy Scientific Session **Treatment Response Assessment** Y Cao, S Bowen	Joint Imaging - Therapy Scientific Session **Imaging for Respiratory Motion** J Cai, D Ruan	SAM SESSION Imaging Symposium **Developments in Monte Carlo Methods for Medical Imaging** I Sechopoulos, A Badal, W Bolch, W Zbijewski		Imaging Educational Course **Medical Physics 1.0 to 2.0, Session 4: Computed Tomography, Ultrasound and Nuclear Medicine** E Samei, N Hangiandreou, J Nelson		
F 2:00 - 2:50											

2:50 - 3:30 Poster TEAR-DOWN

CLOSE OF MEETING
See you next year in Anaheim, California!
July 12 - 16, 2015