

SCIENTIFIC PROGRAM

Day	Time	Room	Title	Speakers	Moderator/Chair
Joint Diagnostic Imaging/Therapy Program					
Sun	9:30-1:00	Grand Ballroom A	2004 Student Meeting	K Hogstrom	B Paliwal S Kry
Sun	11:00-1:00	Grand Ballroom A	Young Investigators Symposium		M Martel M Kessler
Mon	10:00-12:00	Grand Ballroom B	AAPM President's Symposium: The Future of Diagnostic Imaging and Radiation Therapy		D Frey
			Invited Comments by Radiological Society of North American President	B Lentle	
			From Form to Function: The Changing Landscape of Medical Imaging	A Maidment	
			Radiology: 3D and Beyond	E Siegel	
			The Future of Radiotherapy	TR Mackie	
Tues	1:30-3:20	305	Symposium: Image-Guided Therapy	M Vannier A Fenster R Kikinis TR Mackie	J Siewerdsen
Wed	10:00-12:00	Grand Ballroom B	Scientific Session: Reviewers' Choice		G Ezzell E Samei
Wed	1:30-3:20	305	Symposium: Quantitative Functional Imaging		J Balter
			Functional Imaging for Clinical Radiotherapy	L Marks	
			Dynamic Contrast-Enhanced (DCE) MRI of Tumor Vasculature: Applications in Cancer Therapy	J Evelhoch	
			Diffusion MRI in Cancer and Stroke	Y Cao	

Moderated Poster Sessions

Sun	1:30-2:15	Exhibit Hall	IMRT Optimization - Area 1	J Deasy
			Motion 1 - Area 7	K Forster
			Brachytherapy - Area 9	B Gerbi
			CT and MRI - Area 15	J A Seibert
Sun	2:15-3:00	Exhibit Hall	IMRT Clinical Applications - Area 3	A Sethi
			Motion 2- Area 5	S Meeks
			Stereotactic and Particles- Area 11	M Moyers
			X-ray Imaging- Area 13	A Maidment
Sun	3:00-3:45	Exhibit Hall	IMRT Verification - Area 2	J Dempsey
			Measurement 1- Area 8	C Reft
			Image Fusion and Treatment Planning- Area 10	E Yorke
			Nuclear Medicine- Area 16	S Thomas
Sun	3:45-4:30	Exhibit Hall	Monte Carlo- Area 4	S Jiang
			Measurement 2- Area 6	J Bayouth
			Brachytherapy and Radiation Biology- Area 12	KD Steidley
			Image Processing and PACS- Area 14	D Peck
			Educational- Area 17	E Klein/ P Sprawls

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Therapy Program					
Mon	1:30-3:20	Grand Ballroom A	Scientific Session: IMRT Clinical Applications 1		P Xia C Saw
Mon	1:30-3:20	Grand Ballroom B	Scientific Session: 4D Treatment Planning		E Rietzel P Keall
Mon	1:30-3:20	303	Scientific Session: Brachytherapy 1		C Soares D Duggan
Mon	4:00-5:30	Grand Ballroom A	Symposium: IMRT Optimization and Operations Research	M Langer T Bortfeld J Deasy E Lee A Pollack	J Deasy
Mon	4:00-5:30	Grand Ballroom B	Scientific Session: Motion Tracking		R Ten Haken D Low
Mon	4:00-5:30	303	Symposium: Beyond Film: Alternatives for Dosimetric Verification		J Moran
			Applications of EPIDs for IMRT QA	J Moran	
			Independent Dose Calculations for IMRT Quality Assurance	J Roeske	
			Novel Dosimetry Systems for IMRT and Complex Radiation Treatments	M Oldham	
Tues	10:00-12:00	Grand Ballroom A	Scientific Session: IMRT Optimization		T Bortfeld Y Xiao
Tues	10:00-12:00	Grand Ballroom B	Scientific Session: 4D CT		D Jaffray P Balter
Tues	10:00-12:00	303	Scientific Session: Monte Carlo		A Meigooni I Chetty
Tues	1:30-3:20	Grand Ballroom A	Scientific Session: IMRT Clinical Applications 2		S Li J Moran
Tues	1:30-3:20	Grand Ballroom B	Scientific Session: Functional Imaging and Fusion		M Kessler J Deasy
Tues	1:30-3:20	303	Scientific Session: Calibration and QA		D Followill M Podgorsak
Tues	4:00-5:30	Grand Ballroom A	Scientific Session: Particles: Electrons and Protons		K Gall C-M Ma
Tues	4:00-5:30	Grand Ballroom B	Symposium: 4D -Memorial Session in Honor of Hideo D. (Dale) Kubo		K Brock
			Opening Remarks	J Williamson	
			Image Registration and Computational Anatomy in Radiation Therapy	S Joshi	
			Acquisition of 4D Tomographic Data	J-J Sonke	
			Inclusion of Organ Motion and Deformation in Dose Calculations	K Brock	
Tues	4:00-5:30	303	Symposium: Monte Carlo in Radiotherapy Planning	F Kong	I Chetty
		Monte Carlo Treatment Planning: Physicist and Physician Perspectives	J Siebers D Rogers I Chetty		

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Therapy Program					
Wed	10:00-12:00	Grand Ballroom A	Scientific Session: Photon Treatment Planning		M Sontag J Hanley
Wed	10:00-12:00	303	Scientific Session: Brachytherapy 2		J Molloy M Yudelev
Wed	1:30-3:20	Grand Ballroom A	Scientific Session: IMRT Verification and QA		I Parsai N Dogan
Wed	1:30-3:20	Grand Ballroom B	Scientific Session: Stereotactic		F-F Yin S Benedict
Wed	1:30-3:20	303	Scientific Session: Radiation Biology/Other		XA Li L Xing
Wed	4:00-5:30	Grand Ballroom A	Scientific Session: Clinical Measurements		T Zhu
Wed	4:00-5:30	Grand Ballroom B	Scientific Session: Dosimetry Instrumentation 1		J Pouliot
Wed	4:00-5:30	303	Symposium: The Advanced Technology QA Consortium (ATC)	J Purdy J Palta G Ibbott	J Purdy
Thurs	10:00-12:00	Grand Ballroom A	Scientific Session: IMRT Delivery		A Boyer S Chang
Thurs	10:00-12:00	Grand Ballroom B	Scientific Session: Deformable Models and Localization Techniques		G Chen TR Mackie
Thurs	10:00-12:00	303	Scientific Session: Dosimetry Instrumentation 2		D Rogers I Das

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Day	Time	Room	Title	Speakers	Moderator/Chair
Diagnostic Imaging Program					
Mon	1:30-3:20	305	The ABR Maintenance of Certification Program (MOCP) for Medical Physicists	S Thomas W Hendee B Paliwal	S Thomas
Mon	1:30-3:20	310	Workshop: Display Evaluation Workshop	Participants: E Samei H Roehrig A Ho. J Charette K Compton M Hansen D Sorensen M Hasegawa J Gaskill T Furukawa	E Samei
Mon	1:30-3:20	315	Scientific Session: Ultrasound /Bone Imaging		O Kripfgans
Mon	1:30-3:20	317	Scientific Session: CT 1/ Symposium: CT Noise Metrology	P Judy D Chakraborty S Edyvean	P Judy P Judy
Mon	1:30-3:20	319	Symposium: PACS and Medical Physicist The Role of the Medical Physicist in the Digital Era	R Morin SJ Shepard D Peck M Flynn	D Peck
Mon	4:00-5:30	310	Workshop: Display Evaluation Workshop	Participants: E Samei H Roehrig A Ho. J Charette K Compton M Hansen D Sorensen M Hasegawa J Gaskill T Furukawa	E Samei
Mon	4:00-5:30	315	Scientific Session: Nuclear Medicine		M Yester
Mon	4:00-5:30	317	Scientific Session: Dosimetry		W Huda
Mon	4:00-5:30	319	Forum: Digital Radiography/Mammography Debate	A Maidment JA Seibert J Dobbins J Yorkston L Antonuk M Flynn	A Maidment
Tues	10:00-11:00 11:00-12:00	310	Workshop: Diagnostic Ultrasound Quality Control Workshop- A Real Time Demonstration	Participants: H Miller B Williams M Ignatovic	R Kruger Z Lu E Boote
Tues	10:00-12:00	315	Scientific Session: MRI		D Pickens
Tues	10:00-12:00	317	Scientific Session: Fluoroscopy and Angiography		S Rudin

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Diagnostic Imaging Program					
Tues	1:30-3:20	317	Scientific Session: Mammography I		M Goodsitt
Tues	1:30-3:20	319	Symposium: Dual Modality Imaging		B Hasegawa L Verhey
			The Role of Dual-modality Imaging and Biological Imaging in Radiation Oncology	C Ling	
			Developments in PET/CT: from Concept to Practice	D Townsend	
			In vivo MRI and MRSI for Evaluation of Cancer Patients	S Nelson	
Tues	4:00-5:30	315	Scientific Session: CAD		S Armato
Tues	4:00-5:30	317	Scientific Session: Mammography II		C Shaw
Tues	4:00-5:30	319	Young Physicist Forum: A Survival Guide for Young Investigators		E. Samei
			Insider's view of Imaging Technology Grant Review and Funding at NCI	H Baker	
			Research Management: Building and Managing a Research Team	J Rasey	
			How to Succeed as a Medical Physics Investigator, Professional, Academic, Research, and Personal Balance	D Chakraborty	
Wed	8:30	319	Forum: Reminiscences from a Half-Century of Image Science	R Wagner	
Wed	10:00-12:00	317	Scientific Session: Radiography		A Karellas
Wed	10:00-12:00	319	Symposium: Current Status and Future of CAD: Manufacturers' Perspectives - Memorial Session in Honor of Carl J. Vyborny	Participating Manufacturers: Deus GE Kodak Philips R2 Technology Siemens	M Giger
Wed	1:30-3:20	310	Workshop Diagnostic DR QC	Participants: R Winsor T Minnigh R van Metter G Spahn	JA Siebert
Wed	1:30-3:20	315	Scientific Session Multi-modality /New Imaging		B Hasegawa
Wed	1:30-3:20	317	Scientific Session: Cone Beam CT		J Siewerdsen
Wed	1:30-3:20	319	Symposium: Advances in Vascular Imaging		S Rudin
			High-Resolution Vascular Radiological Imaging	S Rudin	
			High-resolution 3D Angiographic Data from Multiple X-ray Projections	K Hoffmann	
			High Resolution Ultrasound Vascular Imaging	K Thomenius	
			High Resolution MRA	D Parker	
Wed	4:00-5:30	310	Workshop: Diagnostic DR QC	Participants: R Winsor T Minnigh R van Metter G Spahn	JA Siebert
Wed	4:00-5:30	317	Scientific Session/Symposium: Display	A Badano	
Thurs	4:00-5:30	319	Young Physicist Forum : A Survival Guide for Young Clinical Physicists		R Pooley
			Life After Graduation: Getting the Job You Want	L Rill	
			A Survival Guide for Young Clinical Physicists	M Seddon	
			Clinical Radiation Oncology Physics: Is this your home?	JD Bourland	
			The Long Haul: Medical Physics Lessons from A Gray-Haired Survivor	R Morin	
Thurs	10:00-12:00	315	Scientific Session: Processing		S Armato
Thurs	10:00-12:00	317	Scientific Session: CT Dosimetry		T Yoshizumi