

SUNDAY, AUGUST 10

Ballroom 20A			Various committee & council meetings throughout the day at the San Diego Marriott Hotel and Marina
AA 8:00 - 9:30	Professional Council Symposium Combining Family Life with the Practice of Medical Physics: Controlled Fusion Or Criticality Event? Moderator: <i>M Fox</i> Speakers: <i>M Fox</i> <i>DJ Freedman</i> <i>C White</i>		
Room:	Ballroom 20B	Ballroom 20D	
BB 9:30 - 11:00	Education Council Symposium The AAPM Web Site, Continuing Education on the Web and the AAPM Member Moderator: <i>H Mower</i> Speakers: <i>F Khan</i> <i>M Woodward</i> <i>J Gallet</i> <i>S Thomas</i>	2003 Student Forum Moderator: <i>B Paliwal</i> Student Liasion: <i>N Childress</i>	
Ballroom 20A			
CC 11:00 - 1:00	Young Investigators Symposium Moderator: <i>M Martel</i>		
1:00 Exhibit Hall Opens Box Lunch/Refreshment Break in Exhibit Hall			

POSTER DISCUSSION SESSIONS

Each Poster Discussion Session will be 45 minutes in length and have 8-10 posters in the session. The presenting author for each poster will be present. The Chairperson of the session will provide a summary introduction of the key issues for the primary topic, bringing to light specific issues from each of the posters. This will be followed by 15 minutes of structured discussion, guided by the Chairperson and involving the authors and audience. Finally, the formal session will break and the audience and authors are free to discuss details about individual work on a small group basis for the remainder of the session

Exhibit Hall – Poster Session Areas 1 - 12		Moderators
DD 1:30 - 2:15	Brachytherapy – Area 1 IMRT – Planning and Optimization – Area 5 Therapy Other – Area 9	<i>S Mutic</i> <i>C Saw</i> <i>E Yorke</i>
EE 2:15 – 3:00	Imaging – Image Guided Treatment – Area 2 IMRT – Planning and Optimization – Area 6 Stereotactic – Area 10	<i>J Balter</i> <i>A Boyer</i> <i>S Benedict</i>
FF 3:00 – 3:45	Imaging – Techniques and Tools – Area 3 IMRT – Delivery – Area 7 Educational Posters– Area 11	<i>T Solberg</i> <i>G. Ezzell</i> <i>E Klein/P Sprawls</i>
GG 3:45 – 4:30	Therapy - Measurements - Area 4 IMRT – QA and Verification – Area 8 Diagnostic Imaging – X-ray Imaging – Area 12	<i>C Bloch</i> <i>Y Chen</i> <i>JA Seibert</i>
4:30-5:30 Refreshment Break in Exhibit Hall		

MONDAY, AUGUST 11

	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
A 7:30 - 8:25	CE- Treatment Verification 1 Treatment Planning System Verification <i>K Doppke</i>	Linear Accelerator Acceptance Testing and Commissioning <i>J Palta</i>	Introduction to Extracranial Stereotactic Radiosurgery: Physics and Technology <i>S Benedict</i> Clinical Experience <i>D Song</i> Radiobiological Considerations and Future Directions <i>B Kavanagh</i>	CE- Computed Tomography 1 Recent Advances in CT Technology <i>M Mahesh</i>	CE- Mammography 1 ACR- Stereotactic Breast Biopsy Accreditation Program Overview <i>P Karlicek</i> Quality Control Testing of Stereotactic Breast Biopsy Units: QC Overview <i>R Pizzutiello</i>	CE- Digital Image Management Systems 1 The Role of the Physicist in the Planning and Design of Digital Image Management Systems <i>C Willis</i>	CE- Models in Medicine 1 Introduction to Statistical Inference and the General Linear Model <i>D Herbert</i>
B 8:30 - 9:25	CE- Clinical IMRT 1 Practical IMRT Treatment Planning Issues <i>M Sharpe</i>	Use of CT and PET in Radotherapy <i>S Mutic</i>	CE- Brachytherapy Procedures and Sources 1 Overview of Update of AAPM Task Group No. 43 Report - A Revised AAPM Protocol for Interstitial Brachytherapy Dose Calculations <i>J Williamson</i> The Original TG- 43 Based Dosimetric Comparisons of 125I and 103Pd <i>A Meigooni</i>	CE- Radionuclide Imaging 1 PET Systems: Design, Performance and Evaluation <i>F Fahey</i>	CE- Fluoroscopy 1 Modern Fluoroscopic Equipment Design and Application <i>P Rauch</i>	CE- MRI 1 Optimizing MR Imaging Practices: The Physicist as a Consultant <i>M NessAiver</i>	CE- Ultrasound 1 Perspectives On Image Performance Assessment I: Defining Image Performance Criteria <i>H Lopez</i> Ultrasound Imaging System Performance Assessment <i>K Ustuner</i>
9:30 -10:00 Coffee Break in Exhibit Hall							

MONDAY, AUGUST 11							
	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
C 10:00-12:00	Ballroom 20A						
	<p>AAPM President's Symposium</p> <p>Invited Comments by Radiological Society of North American President <i>P Fritzsche</i></p> <p>Exposure Limits: Science, Policy, Regulation, and Consequences</p> <p>Moderator: <i>M Weinhaus</i></p> <p>Speakers: <i>K Kase, R Wilson, R Dixon, J Rodgers</i></p> <p>Open Discussion</p>						
12:00 - 1:30 LUNCH BREAK							
D 1:30 - 3:20	<p>Scientific Session</p> <p>Stereotactic</p> <p>Chairs: <i>F-F Yin JD Bourland</i></p>	<p>Panel</p> <p>IMRT Promises and Problems</p> <p>Moderator: <i>J Palta</i></p> <p>Panelists: <i>C Burman P Xia M Sharpe</i></p>	<p>Scientific Session</p> <p>Treatment Planning: Target Volumes</p> <p>Chairs: <i>R Ten Haken I Das</i></p>	<p>Scientific Session</p> <p>Ultrasound</p> <p>Chair: <i>P Carson</i></p>	<p>Scientific Session</p> <p>CAD: Breast and Prostate</p> <p>Chair: <i>H-P Chang</i></p>	<p>Symposium</p> <p>DR Advanced Applications</p> <p>Director: <i>J Dobbins</i></p> <p>Speakers: <i>J Dobbins H MacMahon L Niklason H-P Chan M Goodsitt R Ning</i></p>	<p>Symposium</p> <p>RT Extensions to DICOM: Do they Really Work?</p> <p>Director: <i>B Curran</i></p> <p>Speakers: <i>T Murray W Bosch B Curran</i></p> <p>Panelists: <i>D Murray S Hogan H Shukla L V Smith J Yang D Poole</i></p>
3:20 - 4:00 Refreshment Break in Exhibit Hall							
E 4:00 - 5:30	<p>Panel</p> <p>Terrorism and the Medical Physicist</p> <p>Moderator: <i>O Suleiman</i></p> <p>Panelists: <i>O Suleiman J Poston R Morin</i></p>	<p>Scientific Session</p> <p>IMRT: Planning and Optimization</p> <p>Chairs: <i>J Dempsey Y Xiao</i></p>	<p>Symposium</p> <p>Award of 11th ICRU Gray Medal to Martin J. Berger</p> <p>Director: <i>P DeLuca, Jr.</i></p> <p>Introduction <i>S Seltzer R Caswell</i></p> <p>Award Recipient <i>M Berger</i></p>	<p>Joint Diagnostic Imaging/Therapy Symposium</p> <p>Molecular Imaging</p> <p>Director: <i>K McGee</i></p> <p>Speakers: <i>J Kurhanewicz K Ferrara Y Erdi</i></p>	<p>Symposium</p> <p>Radiographic Image Processing</p> <p>Director: <i>M Flynn</i></p> <p>Speakers: <i>R VanMetter E Gingold</i></p>	<p>Refresher Course</p> <p>PACS DICOM Update</p> <p><i>S Horii D Clunie</i></p>	<p>CE- Mammography 2</p> <p>Scoring the Stereotactic Breast Biopsy Program Accreditation Phantom</p> <p><i>A Maidment</i></p> <p>Quality Control Testing of Stereotactic Breast Biopsy Units: Fischer</p> <p><i>A Hrejsa</i></p>
6:00 - 8:30 AAPM Awards Ceremony & Reception – San Diego Marriott Hotel and Marina/San Diego Ballroom							

TUESDAY, AUGUST 12

	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
A 7:30 - 8:25	CE- Treatment Verification 2 Patient Dosimetry <i>M E Masterson- McGary</i>	Data Acquisition for Beam Modeling <i>J Bayouth</i>	Everything You Wanted to Know About the Practical Implementation of TG-51 Protocol in the Clinic <i>MS Huq</i>	CE- Computed Tomography 2 CT Accreditation Program: Image Quality and Dose Measurements <i>C McCollough</i>	CE - Mammography 3 Quality Control Testing of Stereotactic Breast Biopsy Units: Lorad <i>M High</i> Quality Control Testing of Steotactic Breast Biopsy Units - GE and Siemens <i>R Pizzutiello</i>	CE- Digital Image Management Systems 2: DICOM: What the Physicist Needs to Know <i>S Thompson</i>	CE- Models in Medicine 2 Introduction to Resampling and Bayesian Models <i>D Herbert</i>
B 8:30 - 9:25	CE- Clinical IMRT 2 Clinical Pitfalls and Limitations of IMRT <i>G Ezzell</i>	Image Registration and Data Fusion in Radiation Therapy <i>M Kessler</i>	CE- Brachytherapy Procedures and Sources 2 Brachytherapy Ramifications of Revised Part 35 <i>R Lieto</i>	CE- Radionuclide Imaging 2 Data Correction and Image Reconstruction Methods for PET <i>C Levin</i>	CE- Fluoroscopy 2 Managing Patient Dose in Fluoroscopic Procedures <i>K Strauss</i>	CE- MRI 2 Physics Procedures for ACR MRI Accreditation <i>R Bell</i>	CE- Ultrasound 2 Perspectives On Image Performance Assessment II: The Impact of Compromised Elements Within An Ultrasound Transducer On Image and Doppler Quality <i>W Moore E Madsen</i>
9:30- 10:00 Coffee Break in Exhibit Hall							
C 10:00-12:00	Scientific Session Imaging: Image Guided Treatment Chair: <i>J Kruse S Li</i>	Scientific Session IMRT: Planning and Optimization Chairs: <i>I Rosen Z Li</i>	Scientific Session Brachytherapy: High Dose Rate/Intravascular Chair: <i>D Steidley S-T Chiu-Tsao</i>	Refresher Course Essentials of Bone Densitometry for the Medical Physicist <i>C Wilson</i> Scientific Session Dosimetry in Fluoroscopy Chair: <i>M Goodsitt</i>	Symposium New Advances in Breast Imaging I Director: <i>J Boone</i> Speakers: <i>J Lewin A Maidment L Niklason M Giger</i> Panel Discussion	Scientific Session Radiography Chair: <i>A Karellas</i>	Workshop TG18 Display Evaluation (10:00 am – 1:00 pm) Director: <i>E Samei</i> Participants: <i>E Samei K Compton J Gaskill M Hasegawa A Ho J Lorenz H Roehrig G Scott J Shepard D Sorensen</i>
12:00-1:30 LUNCH BREAK							

TUESDAY, AUGUST 12

	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
D 1:30 - 3:20	Scientific Session Radiobiology Chairs: <i>J Chu</i> <i>G Luxton</i>	Scientific Session IMRT QA Chairs: <i>N Dogan</i> <i>M Oldham</i>	Scientific Session Treatment Delivery Chairs: <i>C Reft</i> <i>C-W Cheng</i>	Scientific Session Radiation Protection and Shielding Chair: <i>J Shepard</i>	Symposium Practical Aspects of CAD Research Director: <i>S Armato III</i> Speakers: <i>S Armato</i> <i>M McNitt-Gray</i> <i>H-P Chan</i> <i>C Metz</i> <i>E Krupinski</i>	Symposium Practical Aspects of DQE Measurement Director: <i>P Granfors</i> Speakers: <i>P Granfors</i> <i>E Samei</i> <i>R Van Metter</i> <i>R Gagne</i>	CE-Radionuclide Imaging 3 Advances and Quality Assurance in Gamma Camera & SPECT Systems <i>J Halama</i>
3:20 - 4:00 Refreshment Break in Exhibit Hall							
E 4:00 - 5:30	Symposium Target Localization and Treatment Margins Director: <i>M Herman</i> Speakers: <i>M Herman</i> <i>J Wong</i> <i>R Ten Haken</i> <i>J Kruse</i>	Scientific Session IMRT Delivery Chairs: <i>J Moran</i> <i>P Xia</i>	Symposium Medico-Legal Panel Moderators: <i>M Davis</i> <i>DJ Freedman</i>	Joint Diagnostic Imaging/Therapy Symposium Image-Guided Therapy I : Director: <i>J Siewerdsen</i> Speakers: <i>R Taylor</i> <i>F Jolesz</i> <i>D Jaffray</i>	Scientific Session Mammography I Chair: <i>M Giger</i>	Scientific Session CT Chair: <i>M McNitt-Gray</i>	CE-Radionuclide Imaging 4 PET Site Planning and Radiation Safety <i>L Williams</i>
6:00 - 10:00 AAPM Night Out - Embarcadero Park North							

WEDNESDAY, AUGUST 13

	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
A 7:30 - 8:25	CE- Treatment Verification 3 Patient and Organ Position Verification Using Electronic Portal Imaging Devices <i>F Van den Heuvel</i>	Algorithms for Treatment Planning with Photon Beams <i>N Papinikolou</i>	Everything You Wanted to Know About Getting Research Money From NIH and NSF Moderator: <i>B Fraass</i> Speakers: <i>P Strudler J Dye R Rardin</i>	CE- Computed Tomography 3 Tradeoffs in CT Image Quality and Radiation Dose <i>M McNitt-Gray</i>	CE - Mammography 4 Digital Mammography Technology, Performance Audits and Accreditation Issues <i>A Karellas</i>	CE- Digital Image Management Systems 3 Digital Image Distribution: Design and Performance <i>R Cecil</i>	CE- Models in Medicine 3 Introduction to Generalized Linear and Nonlinear Models <i>D Herbert</i>
B 8:30 - 9:25	CE- Clinical IMRT 3 IMRT System Quality Assurance <i>D Low</i>	The Physicist's Role in IS <i>A Baillie R Young</i>	CE- Brachytherapy Procedures and Sources 3 Radio- immunotherapy Dosimetry <i>W Erwin</i>	CE - Radionuclide Imaging 5 PET/CT and Image Fusion Issues <i>J Anderson</i>	CE- Fluoroscopy 3 Digital Fluoroscopic Imaging: Acquisition, Processing and Display <i>J A Seibert</i>	CE- MRI 3 MR Functional Imaging <i>T Parrish</i>	CE- Ultrasound 3 Quality Assurance of Ultrasound Imagers: Basic Physics, Procedures and Experiences <i>Z Lu</i>
9:30- 10:00 Coffee Break in Exhibit Hall							
C 10:00-12:00	Scientific Session Imaging: Techniques and Tools Chairs: <i>M Kessler J Sohn</i>	Scientific Session IMRT Verification Chairs: <i>Y Chen J-S Tsai</i>	Scientific Session Monte Carlo: Technique/Device Evaluation Chairs: <i>J Siebers M Rivard</i>	Scientific Session Dosimetry in X-ray Imaging Chair: <i>R Dixon</i>	Symposium New Advances in Breast Imaging II Director: <i>J Boone</i> Speakers: <i>P Carson S Cherry J Boone E Hendrick</i>	Scientific Session Fluoroscopy and Angiography Chair: <i>S Rudin</i>	Ultrasound Hands-On Workshop Workshop Start times: 10:00 am 11:00 am 1:30 pm 2:30 pm Director: <i>R Kruger</i>
12:00- 1:30 LUNCH BREAK							

WEDNESDAY, AUGUST 13

	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
D 1:30 - 3:20	Scientific Session Measurements: Instrumentation Chairs: <i>E Lief</i> <i>T Zhu</i>	Scientific Session Treatment Planning: Calculations and Improvements Chairs: <i>M Sontag</i> <i>J Gibbons</i>	Scientific Session Brachytherapy: Prostate/General Chairs: <i>B Zwicker</i> <i>J Molloy</i>	Scientific Session MRI Chair: <i>D Peck</i>	Panel Unanswered Questions in CAD Research Moderators: <i>CE Floyd</i> <i>J Lo</i> Panelists: <i>H-P Chan</i> <i>C E Floyd</i> <i>M Giger</i> <i>J Lo</i> <i>M McNitt-Gray</i> <i>J Roehrig</i> <i>R Summers</i>	Symposium Performance Assessment of DR Systems Director: <i>JA Seibert</i> Speakers: <i>R Winsor</i> <i>J Odogba</i> <i>N Gkanatsios</i>	Ultrasound Hands-On Workshop Workshop Start times: 10:00 am 11:00 am 1:30 pm 2:30 pm Director: <i>R Kruger</i>
3:20 - 4:00 Refreshment Break – Ballroom Foyer							
E 4:00 - 5:30	Scientific Session Measurements: Clinical Chairs: <i>K Gall</i> <i>M Podgorsak</i>	Panel IMRT: QA - What Is Enough? Moderator: <i>D Low</i> Speakers: <i>D Low</i> <i>B Salter</i> <i>T LoSasso</i> <i>C Kinsey</i>	Scientific Session Other Chairs: <i>J Deasy</i> <i>B Gerbi</i>	Joint Diagnostic Imaging Therapy Symposium: Image-Guided Therapy II: Director: <i>J Siewerdsen</i> Speakers: <i>RCormack</i> <i>D Holdsworth</i> <i>T Peters</i>	Scientific Session Multi-Modality and Nuclear Imaging Chair: <i>M Tornai</i>	Scientific Session PACS and Display Chair: <i>M Flynn</i>	AAPM New Member Symposium
5:45 - 6:45 AAPM Annual Business Meeting – 20 A							

THURSDAY, AUGUST 14

	Room: Ballroom 20A	Room: Ballroom 20B	Room: Ballroom 20D	Room: 23A	Room: 24A	Room: 25A	Room: 26A
A 7:30 - 8:25	CE- Treatment Verification 4 Position Verification by Fluoroscopy, CT, and Other Modalities <i>J Balter</i>	Practical Commissioning of Photon Beam Algorithms <i>D Pavord</i>	Changes in Co-60 Air-Kerma Standards: The Rationale for Change and the Impact On Clinical Practice <i>DO Rogers L DeWerd G Ibbott MS Huq</i>	CE- Computed Tomography 4 CT Dose Reduction Strategies and the Pediatric Patient <i>D Cody</i>	CE - Mammography 5 Digital Mammography Displays <i>E Samei</i>	CE- Digital Image Management Systems 4 Digital Data Storage: Design Characteristics and Performance <i>D Tucker</i>	CE- Models in Medicine 4 ROC Analysis: Methodology and Practical Applications <i>C Metz</i>
B 8:30 - 9:25	CE- Clinical IMRT 4 Patient-Based Quality Assurance for IMRT <i>D Verellen</i>	Proton Therapy: Physics and Process Part I: Basic Proton Physics <i>WD Newhauser</i> Part II: Practical Challenges and Opportunities for Proton Therapy <i>M Moyers</i>	CE- Brachytherapy Procedures and Sources 4 Breast Brachytherapy Using a Single Balloon Catheter <i>B Thomadsen</i> Interstitial Breast Brachytherapy Using Multiple Catheters <i>R Das</i>	CE- Radionuclide Imaging 6 PET Scanner Quality Assurance and Acceptance Testing <i>B Kemp</i>	CE- Fluoroscopy 4 Personnel Protection During Fluoroscopic Procedures <i>B Schueler</i>	CE- MRI 4 Advances in MRI Equipment Design, Software, and Imaging Procedures <i>G Laub</i>	CE - Ultrasound 4 Recent Advances in Ultrasonic Imaging <i>J Zagzebski</i>
C 10:00- 12:00	Scientific Session Particle Therapy Chairs: <i>J Antolak M Moyers</i>	Scientific Session Measurements: Calibration/QA Chairs: <i>J Bayouth MS Huq</i>	Scientific Session Monte Carlo: Planning Chairs: <i>C-M Ma I Chetty</i>	Scientific Session Imaging in Therapy Chair: <i>J Siewerdsen</i>	Scientific Session Advanced Mammographic Imaging 2 Chair: <i>A Maidment</i>	Scientific Session CAD: CT and Nuclear Imaging Chair: <i>S Armato III</i>	

EXHIBIT HALL HOURS

SUNDAY	AUGUST 10	1:00 pm - 5:30 pm
MONDAY	AUGUST 11	9:30 am - 5:30 pm
TUESDAY	AUGUST 12	9:30 am - 5:30 pm
WEDNESDAY	AUGUST 13	9:30 am - 1:00 pm