

**SUNDAY, AUGUST 10**

<b>Ballroom 20A</b>			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>	
<b>Ballroom 20A</b>			
CC 11:00 - 1:00	Young Investigators Symposium  Moderator: <i>M Martel</i>		
<b>1:00 Exhibit Hall Opens</b> <b>Box Lunch/Refreshment Break in Exhibit Hall</b>			

**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>
<b>4:30-5:30 Refreshment Break in Exhibit Hall</b>		

**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 <span style="float:right">Coffee Break in Exhibit Hall</span>							

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>						
<b>12:00 - 1:30 LUNCH BREAK</b>							
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>
<b>3:20 - 4:00 Refreshment Break in Exhibit Hall</b>							
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>
<b>6:00 - 8:30 AAPM Awards Ceremony &amp; Reception – San Diego Marriott Hotel and Marina/San Diego Ballroom</b>							

**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>
<b>9:30- 10:00 Coffee Break in Exhibit Hall</b>							
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>
<b>12:00-1:30 LUNCH BREAK</b>							

**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>
<b>3:20 - 4:00 Refreshment Break in Exhibit Hall</b>							
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>
<b>6:00 - 10:00 AAPM Night Out - Embarcadero Park North</b>							

**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>
<b>9:30- 10:00 Coffee Break in Exhibit Hall</b>							
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>
<b>12:00- 1:30 LUNCH BREAK</b>							

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

**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