

# SEAAPM 2010 Scientific Meeting Schedule

## *The Evolving Face of Medical Physics*

*Program Director: Ehsan Samei, PhD*

Friday, March 5, 2010

<i>Start Time</i>	<i>End Time</i>	<i>Title</i>	<i>Speaker</i>
1:25 PM	1:30 PM	Welcome and Introduction	Ehsan Samei, PhD
<b>I. Professional Highlights</b>			
1:30 PM	1:50 AM	The Evolving Nature of Medical Physics	Ehsan Samei, PhD
1:50 AM	2:10 PM	Current Initiatives and Activities of the AAPM	Michael Herman, PhD
2:10 PM	2:30PM	ABR Front: The Mandate, MOC, Their Fallouts	Don Frey, PhD
2:30PM	2:50 PM	Credentialing	Ken Vanek, PhD
2:50 PM	3:10 PM	Developing Effective Medical Physics Learning Experiences <a href="http://www.sprawls.org/learning/">http://www.sprawls.org/learning/</a>	Perry Sprawls, PhD
3:10 PM	3:40 PM	Q&A AND PANEL DISCUSSION	<i>All Session Speakers</i>
3:40 PM	4:00 PM	Afternoon Break in Vendor Exhibit Area	
<b>II. Therapy Technologies</b>			
4:00 PM	4:25 PM	Rapid Arc	Jennifer O'Daniel, PhD
4:25 PM	4:50 PM	Hypo-fractionation: Image-guided Stereotactic Radiotherapy	Carnell Hampton, PhD
4:50 PM	5:15 PM	Real-time Tomosynthesis IGRT	Sha Chang, PhD
5:15 PM	5:30 PM	Q&A AND PANEL DISCUSSION	<i>All Session Speakers</i>
6:00 PM	9:30 PM	<i>Night Out</i> at the Augusta Canal Interpretive Center	

Saturday, March 6, 2010

<i>Start Time</i>	<i>End Time</i>	<i>Title</i>	<i>Speaker</i>
7:30 AM	8:00 AM	Continental Breakfast	
<b>III. Imaging Technologies</b>			
8:00 AM	8:25 AM	Modern Mammography: FFDM vs DBT vs Breast CT vs MRI	Joseph Lo, PhD
8:25 AM	8:50 AM	Diffusion Contrast Enhanced MRI	Dave Pickens, PhD
8:50 AM	9:15 AM	Dual Energy CT: Approaches and Applications	Dianna Cody, PhD
9:15 AM	9:40 AM	Q&A AND PANEL DISCUSSION	<i>All Session Speakers and Gary Barnes, PhD</i>
9:40 AM	10:00 AM	Morning Break	

Saturday, March 6, 2010 (Continued)

<i>Start Time</i>	<i>End Time</i>	<i>Title</i>	<i>Speaker</i>
<b>IV. Young Investigator Symposium</b>			
10:00 AM	10:20 AM	<b>SDAMMP &amp; Update on Medical Physics Education in the Southeastern U.S.</b>	Jim Dobbins, PhD
10:20 AM	10:30 AM	<b>Feasibility Study: Magnetic Resonance Temperature Imaging-Guided Laser-Induced Thermal Therapy Using Multi-Walled Carbon Nanotubes</b>	Xuanfeng Ding <i>Wake Forest University</i>
10:30 AM	10:40 AM	<b>Comprehensive Clinical Evaluation of Fully Automated Segmentation</b>	Matthew Deeley <i>Vanderbilt University</i>
10:40 AM	10:50 AM	<b>Monte Carlo Calculations of Microscopic Dose Enhancement for Gold Nanoparticle-aided Radiation Therapy</b>	Bernard Jones <i>Georgia Institute of Tech</i>
10:50 AM	11:00 AM	<b>Comparative Analysis of Flat and Spherical Fiber Sensors In Cylindrical Diffusers Light Dosimetry</b>	Maria Ferreira <i>East Carolina University</i>
11:00 AM	11:10 AM	<b>Fillable, Tapering Phantom: Applications for PET Image Quality Assessment</b>	Joshua Wilson <i>Duke University</i>
11:10 AM	11:20 AM	<b>MR-induced Skin Heating and the Potential for Burns for Patients with Attached Headframes for Gamma Radiosurgery</b>	Marcus Bennett <i>Wake Forest University</i>
11:20 AM	11:30 AM	<b>ICRP 103 Weighting Factors, Patient Size, and CT Effective Dose</b>	Dennise Magill <i>Medical Univ of SCarolina</i>
<b>V. Award Ceremony</b>			
11:30 AM	11:45 AM	<b>SEAAPM Best Paper Award and Presentation</b>	
11:45 AM	12:00 PM	<b>Jimmy O. Fenn Award</b>	
12:00 PM	12:45 PM	<b>Luncheon, Business Meeting &amp; Election Results</b>	<b>CHAPTER MEMBERS ADMITTED</b>
<b>SEAAPM EXCOM Meeting</b>			