



**Southwest Chapter of the AAPM  
SPRING MEETING**

Crowne Plaza Hotel Riverwalk  
San Antonio, TX  
Mar 26, 2009 – Mar 28, 2009

**PRELIMINARY PROGRAM**



**THURSDAY, MAR 26<sup>th</sup>**

*Location: River Plaza*

**6:30PM-8:30PM RECEPTION**

**FRIDAY, MAR 27<sup>th</sup> – 8:00AM-6:00PM**

*Location: Texas Ballroom A*

- 7:00-8:00 BREAKFAST** (*Please visit our sponsors/exhibitors in: Texas Ballroom B*)
- 8:00-11:00 YOUNG INVESTIGATORS' SYMPOSIUM (1.0 CREDITS)** (*Half the presentations to be held each in: Texas Ballrooms A and C*)
- 11:00-11:15 BREAK** (*Please visit our sponsors/exhibitors in: Texas Ballroom B*)
- 11:15-11:25 PLATINUM SPONSOR PRESENTATION**
- 11:25-12:25 IMAGING SESSION 1 (1.0 CREDITS)**  
*Artifacts in Digital Mammography - What the Physicist Needs to Know*  
*William Geiser*  
*Positron Emission Mammography (PEM)*  
*Osami Mawlawi*
- 12:25-12:35 PLATINUM SPONSOR PRESENTATION**
- 12:35-1:45 LUNCH** (*Location: Texas Ballroom C*) (*Please visit our sponsors/exhibitors*)
- 1:45-3:15 PROFESSIONAL SYMPOSIUM (1.5 CREDITS)**  
*Update on Doctor of Medical Physics (DMP) program at Texas Tech*  
*Bill Kubricht*  
*Current economic issues in Medical Physics reimbursement*  
*Jim Hevezi*
- 3:15-3:25 PLATINUM SPONSOR PRESENTATION**
- 3:25-3:40 BREAK** (*Please visit our sponsors/exhibitors in: Texas Ballroom B*)
- 3:40-3:50 PLATINUM SPONSOR PRESENTATION**
- 3:50-6:20 RADIOTHERAPY PHYSICS (2.5 CREDITS)**  
*Calypso 4D Localization System*  
*Twyla Willoughby*  
*RapidArc commissioning and acceptance*  
*Randi Aaronson*  
*Intra-arterial radiotherapy using Y-90 microspheres for liver metastasis*  
*T.K. Nair*  
*Bolus Electron Conformal Therapy*  
*Ken Hogstrom*  
*Gamma vs. Cyber: Which and When*  
*Russell Tarver*
- 6:00PM OPTIONAL TOUR OF UT HSCSA CYCLOTRON**  
**DINNER IS ON YOUR OWN – ENJOY THE RIVERWALK**

**SATURDAY, MAR 28<sup>th</sup> – 8:00 AM-1:00PM**

*Location: Texas Ballroom A*

- 7:00-8:00**      **BREAKFAST** (*Please visit our sponsors/exhibitors in: Texas Ballroom B*)
- 8:00-9:00**      **BUSINESS MEETING**
- 9:00-10:00**     **STEREOTACTIC BODY RADIOTHERAPY PHYSICS (1.0 CREDITS)**  
*Spinal Cord Tolerance to Radiosurgical Dose Distributions: A study of lateral volume effects and reirradiation*  
*Paul Medin*  
*Spine Radiosurgery on Trilogy with integrated imaging guidance at MDACC*  
*James Yang*
- 10:00-10:30**    **BREAK** (*Please visit our sponsors/exhibitors in: Texas Ballroom B*)
- 10:30-1:00**    **IMAGING SESSION 2 (2.5 CREDITS)**  
*Invited Review Talk: Photon Counting Radiography and CT*  
*Polad Shikhaliev*  
*Effects of the characteristic escape radiation on imaging performance of the photon counting detectors*  
*Shannon Fritz*  
*Intravascular Autoradiography with storage phosphor detector*  
*Peter Petrek*  
*PET/CT detectability and classification of simulated pulmonary nodules using an SUV correction scheme*  
*Kip Matthews*  
*The significant impact of 111-In Capromab Penedetide imaging on patient management*  
*Ines Yurkovic*
- 1:00 PM**        **MEETING ADJOURNS**

**To register for this meeting, please go to:**

[www.regonline.com/SWAAPM\\_Spring\\_2009](http://www.regonline.com/SWAAPM_Spring_2009)

**For more information see the SW-AAPM Chapter web page:**

[http://chapter.aapm.org/swaapm/2009\\_Spring.html](http://chapter.aapm.org/swaapm/2009_Spring.html)

**Thank you for your participation and hope to see you all in San Antonio!**

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**Purpose:** The Southwest Chapter of the American Association of Physicists in Medicine Chapter Meetings are targeted for professional medical physicists from TX, AR, LA & OK and intended to update them on clinical practice methodologies, introduce members to scientific advances which are likely to impact their careers and to introduce and solicit input from attendees on professional issues in medical physics.

**Continuing Education Credits: CAMPEP TRANSCRIPTS:** This meeting will be submitted for continuing education credit by the Commission on Accreditation of Medical Physics Education Programs, Inc. (CAMPEP). For each hour of verified attendance, 1 MPCEC hour of credit will be awarded. Following the meeting, SWAAPM will provide CAMPEP with participant contact information, credits earned, and the appropriate processing fees in order for individual participants to access their personal 2009 SWAAPM Spring Meeting transcript via the CAMPEP online MPCEC Repository database. Please be advised, CAMPEP transcripts are viewable via the CAMPEP online MPCEC Repository database. Participants will not receive a hardcopy CAMPEP transcript. Should a participant need a hardcopy of the 2009 SWAAPM Spring Meeting transcript, an individual may order a hardcopy transcript from CAMPEP ([www.campep.org](http://www.campep.org)).

**Educational Objectives:**

1. Increase knowledge of spinal cord tolerances in SBRT
2. Learn new techniques in Mammography
3. Learn about selected current topics in radiotherapy including Calypso system, electron bolus, RapidArc system and others.
4. Learn about photon counting and its relevance in diagnostic imaging.