

2016 SEAAPM Meeting Program

March 11-12, 2016

Hilton Knoxville Hotel in Downtown Knoxville, TN

Program Director: Ben Robison, M.S. Provision Center for Proton Therapy – Knoxville, TN

Abstract: As in past meetings, this year's meeting will focus on clinical applications of treatment and imaging modalities, efficiencies, new technology, and student research. To maintain topics that are relevant, chapter members submitted all presentations and posters. There will be presentations about new products that aid SBRT localization, reduce dose to the rectum for prostate treatments, and GE's new PET/MRI scanner. The meeting will also highlight the top student submissions in diagnostic and therapeutic medical physics.

Target Audience: Practicing Diagnostic, Nuclear Medicine, and Therapeutic Medical Physicist

CAMPEP credits: Being applied for.

Friday March 11	
1:00-1:10 PM	Welcome and Overview
1:10-1:40 PM	Dosimetric Study of the Effect of Calypso-Compatible Couch Top for Spine Stereotactic Body Radiation Therapy <i>Ahmad Amoush, Ph.D., Georgia Regents University – Augusta, GA</i>
1:45-2:15 PM	Carbon Therapy <i>Daniel Bridges, MMP, Univ. of Penn. – Pennsylvania, PA</i>
2:20-2:50 PM	Engineering Marvels and Physics Wizardry of the GEHC PET/MRI Hybrid Scanner <i>Wlad T. Sobol, Ph.D. UAB Health System - Birmingham, AL</i>
2:55-3:05 PM	Rapid Plan-Knowledge Based Planning <i>Leon Eglezopoulos - Varian</i>
3:10-3:55 PM	Break
4:00-4:15 PM	Reliable Rectal Sparing with Hydrogel Spacer <i>Sara Case, M.S. Vanderbilt University – Nashville, TN</i>
4:20-4:40 PM	Practical Aspects of Treating Large and Non-Contiguous Targets with Proton Pencil Beam scanning <i>Niek Schreuder, M.S., Provision Center for Proton Therapy – Knoxville, TN</i>
4:45-5:15 PM	Student Posters
6:00-9:00 PM	Night Out Knoxville Museum of Art

Saturday March 12	
7:00-8:00 AM	Breakfast
8:00-8:10 AM	Welcome and Overview
8:15-8:45 AM	Roentgen's Research and It's Immediate Impact on Physics Within the SEAAPM <i>Perry Sprawls, Ph.D., Sprawls Education Foundation</i>
8:50-9:10 AM	Validation of Computer Generated Ion Chamber Array <i>Mario Fugal, M.S. Medical Univ. of South Carolina - Charleston, SC</i>
9:15-9:35 AM	A New Doppler Flow Phantom for Routine Testing or Ultrasound System <i>Jared Grice M.S., Vanderbilt University - Nashville, TN</i>
9:40-10:10 AM	Break
10:15-10:45 AM	Workflow Efficiency Improvement Through the Use of Scripting in Radiation Therapy Planning <i>Samantha Hedrick, Ph.D. Provision Center for Proton Therapy - Knoxville, TN</i>
10:50-11:20 AM	Awards
11:25-12:30 PM	Business meeting
12:30-1:00 PM	EXCOM Meeting