

# 2015 SEAAPM MEETING PROGRAM

April 24-25, 2015

Embassy Suites Raleigh-Durham/Research Triangle in Cary, North Carolina

Program Director: David Wiant, PhD, Cone Health Cancer Center - Greensboro, NC

**Abstract:** *How are we doing it in the Southeast? The southeast region has a rich tradition of providing quality care and leading innovation in the medical physics field. This year's meeting will focus on practical clinical applications in radiation oncology and radiology, along with novel research going on in these areas. The clinical presentations will cover general education, data-based quality assurance, current treatment techniques, and proton therapy. Research topics include development of new treatment and quality assurance devices. Participants should come away with a better understanding of current practice as well as a glimpse of what is to come in the future.*

**Target Audience:** *Practicing Diagnostic, Nuclear Medicine, and Radiation Therapy Medical Physicists*  
**CAMPEP credits:** *7.08 MPCEP hours pending*

## Schedule of Events

Friday, April 24	
1:00-1:05 PM	Welcome and Overview <i>David Wiant, PhD, Cone Health Cancer Center - Greensboro, NC</i>
1:05-1:25 PM	Commissioning and Operating a Multidisciplinary Proton and Photon Radiation Therapy Clinic in Knoxville, TN <i>Niek Schreuder, MS, Provision Healthcare Partners - Knoxville, TN</i>
1:25-1:45 PM	Commissioning a Cyclotron-Based Gantry System for Pencil Beam Scanning in conjunction with the RayStation Planning System <i>Marc Blakey, MS, Provision Healthcare Partners - Knoxville, TN</i>
1:45-2:05 PM	Developing Techniques to Treat Moving Lung Tumors with Proton Therapy Pencil Beam Scanning <i>Ben Robison, MS, Provision Healthcare Partners - Knoxville, TN</i>
2:05-2:35 PM	Afternoon Break
2:35-2:55 PM	TBD
2:55-3:15 PM	Ultra-fast Radiation Delivering System and Advantages <i>Yuxin Feng, PhD, Lewis and Faye Manderson Cancer Center - Tuscaloosa, AL</i>
3:15-3:35 PM	The FOIL Detector for Accurate and Efficient Filmless QA for the CyberKnife <i>Jacob Gersh, PhD, Gibbs Cancer Center and Research Institute – Pelham - Greer, SC</i>
3:35-3:55 PM	Potential Systematic Uncertainties in IGRT When FBCT Reference Images are Used for Pancreatic Tumors <i>Ahmad Amoush, PhD, Georgia Regents University - Augusta, GA</i>
3:55-4:15 PM	TBD
4:15-4:35 PM	Practical Guide to CBCT for Prone Breast Setup <i>Todd Jenkins, MS, Nash Cancer Treatment Center - Rocky Mount, NC</i>
4:35-4:55 PM	Modulated Arc Therapy for TBI <i>Nicholas Koch, PhD, Medical University of South Carolina - Charleston, SC</i>
4:55-6:00 PM	Student Poster Presentations TRAVEL AWARDS PROVIDED BY THE FOLLOWING SPONSORS: MIM SOFTWARE, QFIX, & VISIONRT
6:30-9:30 PM	Night Out - Raleigh Museum of Natural Sciences

## Saturday, April 25

7:15-8:00 AM	Breakfast
8:00-8:05 AM	Welcome and Overview <i>David Wiant, PhD, Cone Health Cancer Center- Greensboro, NC</i>
8:05-8:25 AM	BLAMMO Error Reporting <i>Benjamin Sintay, PhD, Cone Health Cancer Center - Greensboro, NC</i>
8:25-8:45 AM	Clinically Embedded Physics Education: A Major Factor in Image Quality Assurance and Radiation Dose Management <i>Perry Sprawls, PhD, Emory University - Atlanta, GA</i>
8:45-9:05 AM	A Dummy's Guide to Discrete Wavelet Transforms <i>David Gauntt, PhD, University of Alabama – Birmingham, AL</i>
9:05-9:35 AM	Morning Break
9:35-9:55 AM	Comparison of surface dose measurements and treatment planning system modeling for a carbon fiber couch top <i>Dustin Jacqmin, PhD, Medical University of South Carolina - Charleston, SC</i>
9:55-10:15 AM	Evaluation of an Electron Beam Energy Verification Method Using Statistical Process Control <i>Stephanie Parker, MS, Novant Health - Winston Salem, NC</i>
10:15-10:35 AM	TBD
10:35-10:55 AM	An unusual EMF interaction between 1.5T MRI scanner and a MEG system <i>Wlad Sobol, PhD, University of Alabama – Birmingham, AL</i>
10:55-11:15 AM	Shielding Evaluation for Advanced Accelerator Platforms placed in Newly Designed or Existing Accelerator Vaults. <i>Randall Miller, MS, Northeast Georgia Medical Center - Gainesville, GA</i>
11:15 AM-12:15 PM	TG-100 <i>Frank Rath, MS, University of Wisconsin - Madison, WI</i>
12:15-12:35 PM	Awards Ceremony
12:35-1:30 PM	Member Luncheon and Business Meeting
1:30-2:00 PM	EXCOM Meeting