

**2024 SEAAPM Scientific Meeting
February 9-10, 2024****The Pioneering Path: Medical Physicists Shaping the Future of Personalized,
Intelligent, and Contemporary Healthcare***Program Director: Ali Fatemi, PhD MCCPM, SEAAPM President-Elect***Omni Hilton Head Oceanfront Resort, Hilton Head, SC**

Friday, February 9th

Lunch Break

12:00-1:00 PM

Visit the Exhibitors

Welcome and Introduction

1:00-1:10 PM

*Ali Fatemi, PhD MCCPM, Merit Health Central, Jackson, MS***MedPhys Slam**

MedPhys Slam Introduction

Ali Fatemi, PhD, MCCPM, Merit Health Central, Jackson, MS

1:10-1:25 PM

Feasibility of Reusable Radiochromic Dosimeters*Kathrin Dowdy, Augusta University, Augusta, GA***Assessment of the Integrated Use of the Varian Identify SGRT Technology with
Elekta Linear Accelerator Systems***India Wood, BS, Wake Forest University School of Medicine, Winston-Salem, NC***Automatic Detection of Suboptimal Breast Positioning in Screening Mammograms
Using Neural Networks***Zachary Whipps, MS, Duke University, Durham, NC*

1:25-1:30 PM

MedPhys Slam Q&A

Keynote Presentation and Q&A

1:30-2:30 PM

Beyond 4DCT: It's About Time!*Daniel Low, PhD, UCLA, Los Angeles, CA*

2:30-2:40 PM



2:40-2:55 PM



2:55-3:00 PM



3:00- 3:15 PM



3:15- 3:45 PM

Afternoon Break
Visit the Exhibitors

3:45-4:30 PM

General Session I

**Through Two Lenses: Comparing Experiences of TBI
Commissioning with Extended SSD and VMAT Techniques**

*Gabrielle Seymore, MS, and Sarah Wisnoskie, MS, Novant Health,
Forsyth/Kernersville Medical Center, Winston-Salem/Kernersville, NC*

**Dual Modality, 3D Printed Interstitial Brachytherapy Markers using Unique
Metal-Infused Filament Materials**

Paul J. Black, PhD, Wake Forest Baptist Medical Center, Winston-Salem, NC

**Upright Imaging and Radiation Therapy-- a new paradigm enabling numerous
clinical and cost benefits**

Niek Schreuder PhD FAAPM, LEO Cancer Care, TN

4:30-4:40 PM

General Session I Q&A

Session/Speaker Introduction

Ali Fatemi, PhD, MCCPM, Merit Health Central, Jackson, MS

4:40-5:50 PM

AAPM President Address

AAPM: Medical Physics and You!

Ehsan Samei, PhD, Past-President, AAPM

5:50-8:00 PM

Trainee ePoster Session and SEAAPM Social Event

A special thanks to our sponsor of this evening!



Saturday, February 10th

6:30-8:00 AM

Breakfast

Visit the Exhibitors

8:00-8:05 AM

Welcome and Introduction

Ali Fatemi, PhD, MCCPM, Merit Health Central, Jackson, MS

Trainee Presentations

A Technique for Evaluating the Degree of Modulation in Proton Pencil Beam Spot Maps, *Bridget Ann Melke, University of Tennessee, Knoxville, TN*

8:05-8:35 AM

Improving VMAT PSQA Pass-rate for Small Targets on Ring-Mounted Linac, *Enobong Inam MS, Vanderbilt University Medical Center - Hofstra University, Franklin, TN*

A pilot virtual imaging trial evaluation of patient intervariability towards the development of personalized imaging protocols in chest CT, *Jayasai Rajagopal, PhD, Oak Ridge National Labs, Oak Ridge, TN*

8:35-8:45 AM

Trainee Presentations Q&A

8:45-9:00 AM

DREAM Program Presentation and Q&A

Jay Wheeler, Davidson College, Davidson, NC

9:00-9:35 AM

Professional Session

Medical Physics Education Reform and the Clinical Physicist
Marian Axente, PhD, Winship Cancer Institute | Woodruff Health Sciences Center, Emory, Atlanta, GA

9:35-9:45 AM

Professional Session Q&A

9:45-10:15 AM

Morning Break

Visit the Exhibitors

General Session II

The Use of Image Synthesis Techniques in Target and ROI Delineation in the Upright Position, *Niek Schreuder PhD, FAAPM, LEO Cancer Care, TN*

10:15-11:35 AM **A 3D Star Shot,** *Robert Corns, PhD, East Carolina University, Greenville, NC*

3D Printed Ultrasound Phantom for Prostate Brachytherapy Quality Assurance, *Todd Jenkins, MS, ECU Health, Greenville, NC*

Checking the Checker: A Retrospective Comparison of Calculation-Based Patient-Specific Quality Assurance with Direct Measurements

Jordan Lunsford, BS Wake Forest University, Winston Salem, NC.

Hyperpolarized Media MRI, *Jian-xiong Wang, PhD, UAB, Birmingham, AL*

11:35-11:45 PM

General Session II Q&A

Chapter Awards and Recognition

Megan Bright MS, Levine Cancer Institute, Concord, NC

11:45 AM-12:05 PM

Jimmy Fenn Award Recipient Acceptance: *Michelle Wells, MS FAAPM*

Med Phys Slam Winner Presentation

12:05-12:25 PM

Presentation by Best Paper Authors

“Early in vivo Radiation Damage Quantification for Pediatric Craniospinal Irradiation Using Longitudinal MRI for Intensity Modulated Proton Therapy”

Chih-Wei Chang, PhD, Emory, Atlanta, GA

12:25-12:30 PM

Presentation Q&A

The Chapter Business Meeting will directly follow the Scientific Meeting.

This meeting has applied to CAMPEP for 7 MPCEC hours.

The Southeast Chapter of AAPM would like to acknowledge the support of our sponsors:

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