

# SEAAPM 2019 Scientific Meeting

## *"Science in the Clinic"*

February 22-23, 2019

Hyatt Regency, Savannah, Georgia

Program Director: Michelle Wells, M.S., SEAAPM President-elect

**Friday, February 22, 2019**

### **12:00 – 1:00pm Complimentary Lunch**

1:00 – 1:15pm Welcome and Introduction

*Michelle C. Wells, M.S., DABR Piedmont Healthcare, Atlanta, GA*

### **MedPhys Slam**

1:15– 1:20pm MedPhys Slam Introduction

*Michelle C. Wells, M.S., DABR Piedmont Healthcare, Atlanta, GA*

1:20 – 1:25pm Europium-doped Strontium-iodide Scintillator Crystals in Dual Energy X-ray Absorptiometry (DEXA) for Bone Densitometry Imaging

*Kricia Ruano Espinoza, Vanderbilt University, Nashville, TN*

1:25 – 1:30 pm Monte Carlo Modeling of Beta Radiation to the Upper Skin Layers

*Olga Pen, Wake Forest University, Winston-Salem, NC*

1:30 – 1:35pm A Novel Lateral Artifact Correction Method for Triple Channel Radiochromic Film Dosimetry

*Tong Ren, Wake Forest School of Medicine, Winston-Salem, NC*

1:35 – 1:40pm Monte Carlo Evaluation of the Effect of Source Self-Shielding on Gamma Knife Dose Rate Variation

*Gregory Szalkowski, Georgia Institute of Technology, Atlanta, GA*

1:40 – 1:45pm Film-free Isocenter Walkout Evaluation Using an Electronic Portal Imaging Device

*Luke Mallony, Georgia Institute of Technology, Atlanta, GA*

### **Science**

1:45 – 2:00pm Quantification of UVA Emission from Megavoltage Irradiated Tissues & Solid Water

*Sagarika Jain, Duke University, Durham, NC*

2:00– 2:15pm The Use of a Couch Mounted IGRT System and the Clinical Benefits Revealed through the First Clinical Treatments.

*Niek Schreuder, Provisions Solutions, LLC, Knoxville, TN*

2:15 – 2:30pm Imaging Modality Comparison for Liver–Lung Shunt Values

*Briana Thompson, Wake Forest School of Medicine, Winston-Salem, NC*

### **2:30 – 2:45pm A Message from our Platinum Sponsor – Lap Laser, Inc.**

### **2:45 – 3:30pm Afternoon Break & Refreshments**

3:30 – 3:45pm SRS with Standard MLCs

*Caroline Vandestraeten, Cone Health Systems, Burlington, NC*

4:00 – 4:15pm	Secondary Monitor Unit Checks for VMAT Using Parallelized Monte Carlo Simulations <i>Sam French, PhD, Piedmont Healthcare, Fayetteville, GA</i>
4:15 – 4:30pm	Digital Elements, Image Quality, Radiation Exposure, and Procedure Optimization <i>Perry Sprawls, PhD, Emory University, Atlanta, GA</i>
4:30 – 4:45pm	Clinical Commissioning of the SC360 System and Preparations for the First Patient Treatments <i>Niek Schreuder, Provisions Solutions, LLC, Knoxville, TN</i>
4:45 – 5:00pm	A Novel Method for Dosimetric Leaf Gap Measurement <i>Yuan Yuan, PhD, The University of Alabama at Birmingham, Alabama</i>

### 5:00 – 7:00pm **SEAAPM Night In + SEAAPM Trainee Poster Session**

**Saturday, February 23, 2019**

### 7:00 – 8:00am **Complimentary Breakfast**

#### Quality & Safety

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8:00 – 8:15am	Plan Quality Assessment of Varian HyperArc and BrainLAB Multiple Metastases Elements for Intracranial Radiosurgery <i>Rodney Sullivan, PhD, The University of Alabama at Birmingham, Alabama</i>
8:15 – 8:30am	Initial Experience of IDENTIFY System to Improve Safety and Efficiency in EBRT Workflow <i>Surendra Prajapati, Wake Forest University, Winston Salem, NC</i>
8:30 – 8:45am	Collaborative Incident Learning: Crowd-sourcing Solutions to Common Error Pathways with TG-327 <i>Jackie Faught, PhD, DABR, St. Jude Children's Research Hospital, Memphis, TN</i>
8:45 – 9:00am	Override reduction through couch position review <i>James D. Ververs, Ph.D., DABR, Wake Forest Baptist Health, Winston-Salem, NC</i>

#### General

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9:00 – 9:30am	Message from the AAPM President <i>Cynthia McCollough, PhD, FAAPM, FACR, FAIMBE</i>
9:30 – 10:00am	ABR Improvements in MOC: Part 3 Moves from Exam to Assessment <i>Jerry Allison, PhD; Augusta University, Augusta, GA</i>
10:00– 10:15am	AAPM Online Learning Services: Education Resources & Services for AAPM Members <i>Stephanie Parker, MS, DABR, CSSGB, Wake Forest Baptist Health, High Point, NC</i>
10:15 – 10:30am	The Role of the MPPG Report vs the TG Report <i>Mary Ann Keenan, PhD, Vanderbilt University, Nashville, TN</i>
<b>10:30 – 10:45am</b>	<b>A Message from our Platinum Sponsor – Philips Radiation Oncology Systems</b>
<b>10:45 – 11:30am</b>	<b>Morning Break &amp; Refreshments</b>

## Chapter Session

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- 11:30 – 11:55am    Presentation of Chapter Awards  
*Benjamin J. Sintay, PhD, Cone Health Cancer Center, Greensboro, NC*
- 11:55 – 12:00pm    Closing Remarks  
*Michelle C. Wells, M.S., DABR Piedmont Healthcare, Atlanta, GA*

*This meeting has applied to CAMPEP for approval of 4.92 MPCEC hours.*

*The Chapter Business Meeting will directly follow the Scientific Meeting.*

***The Southeastern Chapter would like to acknowledge  
the support of our Platinum and Gold sponsors:***



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