Friday, February 24, 2017

12:00 – 1:00pm  Complimentary Lunch

1:00 – 1:10pm  Welcome and Introduction  
  B.J. Sintay, PhD, Cone Health, Greensboro, North Carolina

1:10 – 1:25pm  Update on the Outcome of the AAPM’s Government Assessment Process (TG-281)  
  Melissa Martin, MS, Therapy Physics Inc., Los Angeles, California

1:25 – 1:55pm  ABR Maintenance of Certification update for medical physicists  
  J Anthony Seibert, PhD, University of California Davis Health System, Sacramento, California

1:55 – 2:25pm  History of Automation in Medical Physics  
  J. Daniel Bourland, PhD, Wake Forest University, Winston-Salem, North Carolina

2:25 – 2:50pm  Afternoon Break & Refreshments

**Imaging**

2:50 – 3:10pm  Implementation of the new IEC 62494-1 radiography exposure index standard, radiation dose tracking issues in CT/interventional/mammography  
  J Anthony Seibert, PhD, University of California Davis Health System, Sacramento, California

3:10 – 3:30pm  The Digital Dilemma and Imaging Procedure Optimization  
  Perry Sprawls, PhD, FACR, FAAPM, FIOMP, Emory University, Atlanta, Georgia

3:30 – 3:50pm  Dose Monitoring Software as a Tool to Minimize Patient Radiation Dose in CT and Interventional Fluoroscopy  
  Pavlina Pike, PhD, Huntsville Hospital (UAB), Birmingham, Alabama

3:50 – 4:10pm  Replacing CR with DR in a Neonatal Ward  
  Loretta Johnson, UAB Medical Center, Birmingham, Alabama

4:10 – 4:30pm  First year resident training lab program  
  George David, PhD, Augusta University, Augusta, Georgia

**Trainees**

4:30 – 4:45pm  Automated Quality Control Monitoring of Diagnostic Imaging Equipment Using a Cloud-Based Compliance Platform  
  Brett J. Mattison, MS, University Hospitals Cleveland Medical Center, Cleveland, Ohio

4:45 – 5:00pm  Development of a Large Deformation Diffeomorphic Metric Map (LDDMM) Machine Learning Model for accurate detection of Lung Recurrence after SBRT  
  Joseph Dise, MMP, Medical University of South Carolina, Charleston, South Carolina

5:00 – 5:15pm  Standardization and Automation of the Treatment Planning Commissioning Process  
  Amy Wexler, MS, University of Missouri, Columbia, Missouri

5:15 – 5:30pm  Automated calculation of multifocal SRS dose indices using the Eclipse Scripting API  
  Michael Trager, MS Candidate, Duke University, Durham, North Carolina

5:30 – 7:00pm  SEAAPM Night In – SEAAPM Member Poster Showcase & Trainee Posters
### Saturday, February 25, 2017

#### Therapy

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 – 8:00am</td>
<td>Complimentary Breakfast</td>
</tr>
</tbody>
</table>
| 8:00 – 8:20am  | An Overview of TG 275: Strategies for Effective Physics Plan and Chart Review in Radiation Therapy  
*Michelle Wells, MS, Piedmont Cancer, Atlanta, Georgia* |
| 8:20 – 8:40am  | dosCheck: a pre-MD active-feedback checklist for dosimetry and physics  
*Gregg Tracton, UNC Healthcare, Chapel Hill, North Carolina* |
| 8:40 – 9:00am  | Automation of Plan Finalization Tasks using ESAPI                       
*Lane Hayes, MS, Cone Health, Greensboro, North Carolina* |
| 9:00 – 9:20am  | A Search Procedure to Find Cases of Similar Anatomy                   
*Eduard Schreibmann, PhD, Emory Winship Cancer Institute, Atlanta, Georgia* |
| 9:20 – 9:30am  | Sun Nuclear Platinum Sponsor Spotlight                                 |
| 9:30 – 10:00am | Morning Break & Refreshments                                           |
| 10:00 – 10:20am | Optimized Shielding Evaluation Techniques for Advanced Accelerator Platforms Placed in Existing AcceleratorVaults  
*Randall Miller, MS, FCCPM, Northeast Georgia Medical Center, Gainesville, Georgia* |
| 10:20 – 10:40am | Innovation in a Community Setting                                    
*David Wiant, PhD, Cone Health, Greensboro, North Carolina* |
| 10:40 – 11:00am | Dosimetry second-checks for permanent prostate seed implant brachytherapy with Mathematica  
*Todd Jenkins, MS, Vidant Beaufort Hospital, Washington, North Carolina* |
| 11:00 – 11:20am | A Comparison of Filmless QA Technologies for Variable-Aperture Collimators in Robotic Radiosurgery  
*Jacob Gersh, PhD, Gibbs Cancer Center & Research Institute, Greer, South Carolina* |
| 11:20 – 11:30am | Message from the AAPM Equipment Donation Subcommittee                  
*Dustin Jacqmin, PhD, University of Wisconsin, Madison, Wisconsin* |
| 11:30 – 12:00pm | Presentation of Chapter Awards                                         |

*The chapter business meeting will directly follow the presentation of chapter awards.*

*This meeting has applied to CAMPEP for approval of 7.8 MPCEC hours.*

*CAMPEP evaluations are electronic this year. Please visit: seaapm.org/campep2017*