

SEAAPM 2018 Symposium  
“Emerging Technologies in Radiation Therapy and Imaging”

**February 22-23, 2018**

The Westin Poinsett Hotel, Greenville, South Carolina

Program Director: Niek Schreuder M.Sc. (Med) DABR

**Thursday, February 22, 2018**

- 7:00 – 7:45am **Registration and Breakfast**
- 7:45 – 8:00am **Welcome, Opening Remarks and SAM Preparations<sup>1</sup>**  
*Niek Schreuder M.Sc. (Med), VP and Chief Medical Physicist, Provision Solutions, Knoxville TN*
- 8:00 – 9:00am **Precision Medicine and Radiomics**  
*James Welsh MS, MD, FACRO; President of ACRO; Director of Clinical & Translational Research, Department of Radiation Oncology, Stritch School of Medicine Loyola University-Chicago, IL; Chief of Radiation Oncology, Hines VA Medical Center*
- 9:00 – 10:00am **Multi-Energy CT**  
*Rock Mackie PhD, FAAPM; Emeritus Professor, Morgridge Institute For Research Madison, WI*
- 10:00 – 10:30am **Clinical Uses of Multi-Energy CT**  
*John Bayouth PhD; FAAPM, Bhudatt Paliwal Professor and Chief of Physics, University of Wisconsin, Madison, WI*
- 10:30 – 11:00pm **Break**
- 11:00 – 12:00pm **Proton and Heavy Ion Therapy**  
*Radhe Mohan PhD, FAAPM, FASTRO; Larry and Pat McNeil Chair, Department of Radiation Physics, University of Texas MD Anderson Cancer Center, Houston, TX*
- 12:00 – 12:30pm **Clinical Uses of Ion Therapy**  
*Niek Schreuder M.Sc. (Med); VP and Chief Medical Physicist, Provision Solutions, Knoxville TN*
- 12:30 – 1:45pm **Lunch**
- 1:45 – 2:45pm **4pi Radiation Therapy**  
*Cedric Yu D.Sc., FAAPM; Carl M Mansfield, M.D. Professor, Dept. of Radiation Oncology, Univ. Maryland School of Medicine, Baltimore, MD*
- 2:45 – 3:15pm **Clinical Uses of 4pi Radiation Therapy**  
*Leo Ding, PhD; Lead Proton Physicist, Beaumont Health, Royal Oak, MI*
- 3:15 – 3:45pm **Break**
- 3:45 – 4:45pm **MLC Tracking**  
*Amit Sawant PhD; Associate Professor, Radiation Oncology University of Maryland School of Medicine, Baltimore, MD*
- 4:45 – 5:15pm **Clinical Applications of Motion Tracking and Motion Management<sup>1</sup>**  
*Fang-Fang Yin, PhD, FAAPM; Professor and Director of Physics, Duke University Medical Center, Durham, NC*

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<sup>1</sup> Not Qualified for SAM or CAMPEP Credits

Friday, February 23, 2018

7:00 – 7:45am **Registration and Breakfast**

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7:45 – 8:00am SAM Preparations<sup>1</sup>

*Niek Schreuder M.Sc. (Med); VP and Chief Medical Physicist, Provision Solutions, Knoxville TN*

8:00 – 9:00am Adaptive Therapy

*Di Yan D.Sc.; Professor, Chief of Physics, FAAPM, Beaumont Health, ROYAL OAK, MI*

9:00 – 9:30am Clinical Uses of Adaptive RT

*Ben Robison MS; Director of Medical Physics, Provision Cares Proton Therapy Center-Knoxville, TN*

9:30 – 10:00am **Break**

10:00 – 11:00am MRI Linac

*John Bayouth PhD; FAAPM, Bhudatt Paliwal Professor and Chief of Physics, University of Wisconsin, Madison, WI*

11:00 – 11:30am Clinical Uses of MRI LINAC

*John Bayouth PhD; FAAPM, Bhudatt Paliwal Professor and Chief of Physics, University of Wisconsin, Madison, WI*

11:30 – 12:15pm Round Table Discussion<sup>1</sup>

*All Faculty*

**Adjourn**

***This meeting has applied to the ABR for 9.5 SAM credits and has already been approved by CAMPEP for 9.5 MPCEC hours.***

***CAMPEP evaluations are electronic this year. Please visit: [seaapm.org/campep2018](http://seaapm.org/campep2018)***

The SEAAPM would like to thank our Platinum and Gold sponsors for 2018!



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