

The Future of Medical Physics and Radiation Oncology

NWAAPM Fall Meeting – September 14, 2018

Swedish Cherry Hill Education Center



7:30 - 8:00 AM	Registration and continental breakfast		
8:00 -- 8:10 AM	Introduction	David Shepard	SCI
8:10-8:30 AM	Radiographic Entrance Skin Exposure Trends in the Pacific Northwest	Helen Wang	Corwin Health Physics
8:30–8:50 AM	AAPM EXCOM Update	Susan Richardson	SCI, AAPM Secretary
8:50–9:20 AM	Pretreatment Pulmonary Ventilation– Guided Optimization of Radiation Therapy for Lung Cancer	Warren D’Souza	Chief of Medical Physics, VP of Enterprise Data and Analytics - University of Maryland Medical System
9:20-9:30 AM	Sun Nuclear - Gold Level Sponsor Presentation		
9:30–10:00 AM	Coffee Break		
10:00-10:30 AM	Temporo-spatial Optimization with Optimal Fractionation	Thomas Bortfeld	Professor, Chief of Physics Division – Mass General Hospital
10:30–11:00 AM	Stereotactic Ablative Radiotherapy (SAbR) – Then, Now and in the Future	Robert Timmerman	Effie Marie Cain Distinguished Chair in Cancer Therapy Research, UTSW
11:00-11:30 AM	Clinical implementation of C-RAD surface imaging for breast radiation treatments	Juergen Meyer	University of Washington
11:30–12:00 PM	Medical Physics 3.0	Erika Chin	British Columbia Cancer Agency - Vancouver Island Center
12:00–1:30 PM	Lunch		
1:30–2:00 PM	Application of Machine Learning in Radiation Oncology	Warren D’Souza	University of Maryland
2:00–2:30 PM	Compact and Cheaper Proton Therapy	Thomas Bortfeld	MGH
2:30–2:50 PM	Small Fields and Small Chambers: Precision and Accuracy for Radiation Therapy	Larry DeWerd	Professor - Medical Physics Dept. and Radiation Calibration Laboratory - University of Wisconsin
2:50-3:00 PM	Varian - Gold Level Sponsor Presentation		
3:00--3:30 PM	Coffee Break		

3:30-3:50 PM	Initial Experience with Portal Imaging Based QA	Wen Jiang	SCI
3:50-4:10 PM	MPPGs and their Impact on Clinical Practice	Robin Miller	Northwest Medical Physics Center
4:10-4:30 PM	Save on VMAT QA with an Advanced and Novel MU-Driven Method	Iulian Badragan	BCCA
4:30--4:50 PM	Image quality evaluation on an MR-integrated treatment delivery system	Christina Brunquell	University of Washington
4:50--5:15 PM	Unconscious Bias	Kristi Hendrickson	University of Washington
5:15-7:00 PM NWAAPM PARTY	<p>Rhein Hause, 912 12th Ave, Seattle, WA 98122</p> <p>Bocce, Beer, and Brats</p> <p>Directions: 10 minute walk, head west on Cherry St. (down the hill) and right on 12th Ave.</p>		