



NWAAPM/UW Radiation Oncology Fall 2024 Meeting

Friday October 18th, 2024

University of Washington South Campus Center, Rooms 316 and 301
1601 NE Columbia Road, Seattle, WA 98195

7:00 – 8:00 AM	Registration and continental breakfast		
Morning session 1			
8:00 – 8:05 AM	Welcome and opening remarks	Jessica Fagerstrom	NWAAPM
8:05 – 8:20 AM	An interactive teaching tool for basic radiation therapy physics	Avi Ford	Lincoln High
8:20 – 8:50 AM	A national survey of physics practice patterns for high-dose rate brachytherapy	Juergen Meyer	UW
8:50 – 9:20 AM	CSI radiology: post-mortem CT	Kalpana Kanak	UW
9:20 – 9:50 AM	Full characterization and accounting of effects of rotational errors for SIMT-SRS using a novel simulation tool	Anton Eagle	Advent Health
9:50 – 10:20 AM	Poster session with morning coffee break and vendor visit		
Morning session 2: sponsored by Varian Medical Systems			
10:20 – 10:35 AM	Maintaining dose calibrator accuracy for Y-90 therapies post-USP 825 implementation	Anna Surdu	PSU
10:35 – 10:50 AM	Real-time 3D cardiac motion computation from 2D-cine MRI for guiding stereotactic cardiac radiation treatment	Kah Kee Ng	OHSU
10:50 – 12:00 PM	Keynote presentation: AAPM past, present, and future: perspectives from the president	Todd Pawlicki	AAPM
12:00 – 1:15 PM	Lunch and vendor visit Chapter business meeting in Room 350 and videoconference: https://washington.zoom.us/j/94718410465		
Afternoon session 1			
1:15 – 1:45 PM	Challenges and advances in proton therapy	Tony Wong	UW
1:45 – 2:15 PM	Commissioning a clinical proton pencil beam scanning beamline for pre-clinical ultra-high dose rate (UHDR) irradiations on a cyclotron-based system	Jatinder Saini	UW
2:15 – 2:45 PM	Biological effect of proton beams at ultra-high dose rates (UHDR): What we know and what we don't	Marco Schwarz	UW
2:45 – 3:00 PM	Intensity-modulated neutron therapy for head and neck cancers: Early toxicity and clinical outcomes	August Anderson	UW
3:00 – 3:30 PM	Afternoon coffee break and vendor visit		
Afternoon session 2			
3:30 – 4:00 PM	Governance and QA of AI models in the Radiology Department of the UW Medical Center	Daniel Vergara	UW
4:00 – 4:15 PM	AI-driven automated segmentation of pulmonary nodules and correlation matching of nodules with specialized lung study database	Jackson Hayward	UW
4:15 – 4:45 PM	Signal-to-noise estimation of the ACR MRI phantom using simple polynomial fitting	Jason Ostenson	UW
4:45 – 5:00 PM	Thanks and closing remarks	Jessica Fagerstrom	NWAAPM
5:00 – 7:00 PM	Social Event/Reception at Shultz's Bar and Grill Housemade wursts and burgers with rotating German beer selection 4224 University Way NE: Approximately 15-minute walk from South Campus Center		