



NWAAPM Spring 2019 Chapter Meeting

May 17, 2019

Red Lion Inn on the River

909 North Hayden Island Drive, Portland, OR 97217

7:15 – 8:15 AM	Registration and Continental breakfast		
8:15 – 8:20 AM	Welcome and Opening Remarks		
8:20 – 9:20 AM	ACR beyond Accreditation	Dustin Gress	ACR
9:20 – 9:50 AM	Surface HDR	Eric Nelson	NW Kaiser Permanente
9:50 – 10:00 AM	Varian Technology Update	TBD	Varian
10:00 – 10:30 AM	Morning Coffee Break and Vendor Visit – Sponsored by Orfit		
10:30 – 11:30 AM	An Imaging Physicist's Perspectives on kV Imagers in Radiation Therapy	Donna Stevens	Northwest Permanente, PC
11:30 – 12:00 PM	Historical Radionuclide Characterization & Analysis	Eric Hooper	Swedish
12:00 – 1:30 PM	Lunch and Vendor Visit – Sponsored by Varian (12:10 – 1:25 PM - Chapter Business Meeting)		
1:30 – 2:00 PM <i>Young Investigator Symposium</i>	Feasibility of out-of-field dosimetry in photon, proton, and neutron therapies using a 3D-printed patient-specific phantom	Hunter Tillery	OHSU
	Implementing the Lateral Build-up Ratio for Small and Irregular Field Electron Dosimetry	Dallin Francom	OHSU
	An optimization technique for multi-contrast scans using spectral photon-counting CT	Celeste Leary	OHSU
2:00 – 2:50 PM	Healthcare Cybersecurity Landscape	Jerry Nguyen	Herjavec Group
2:50 – 3:00 PM	Technological Advancements in Water Phantom Scanning	Raj Narayanan	PTW NY
3:00 – 3:30 PM	Afternoon Coffee Break and Vendor Visit – Sponsored by KS Lab		
3:30 – 4:00 PM	Finite element modeling to simulate dose-induced volume change of the parotid glands	Molly Mculloch	OHSU
4:00 – 4:30 PM	Deep Learning: Important Concepts and Application to Automatic Segmentation of CT and MRI images	Karl Otto	University of British Columbia & Limbus AI
4:30 – 4:50 PM	AAPM update	Lauren Long	NWAAPM Board of Directors Representative
4:50 – 5:00 PM	<i>MedPhys Slam Competition</i>		
5:00 – 7:00 PM	Social Event/Reception at the Red Lion Inn Sponsored by PTW NY		