



Fall Meeting – October 20, 2023
Glacier Canyon Conference Center, Wisconsin Dells, WI

Meeting Agenda

7:15	Registration and continental breakfast	(45 min)
8:00	Welcome, Introductions, and Announcements	(15 min)
8:15	Morning Session I - "Celebrating the Past"	
	Bruce Thomadsen – <i>"History of the North Central Chapter and Radiotherapy from our Founding to Now"</i>	(30 min)
	Larry DeWerd – <i>"AAPM involvement in secondary laboratory calibrations at the start of NCC AAPM"</i>	(30 min)
	Michael Speidel – <i>"Medical imaging for diagnosis and intervention: celebrating 50 years of progress"</i>	(30 min)
9:45	Morning break and vendor interactions	(30 min)
10:15	Morning Session II - "Then and Now"	
	Dimitris Mihailidis – <i>"How to manage dental CBCT testing and beyond: AAPM Task Group 261"</i>	(30 min)
	Ashley Tao – <i>"50 years of CT in North America"</i>	(45 min)
	Jim Kofler – <i>"CT Dose and Risk"</i>	(30 min)
12:00	NCC-AAPM Business Meeting	(30 min)

12:30	Lunch break/Vendor interactions	(60 min)
13:30	Early Career Investigator Competition	(90 min)
	Andrew White – <i>“TLDs for Absorbed Dose Measurements in Alpha Emitting Radionuclides”</i>	
	Chase Ruff – <i>“Don't Miss a Beat: Cardiac and Respiratory Motion Evaluation with 5D MRI”</i>	
	Jeremy Hallett – <i>“Noise & Mottle Suppression Methods for Cumulative Cherenkov Images of Radiation Therapy Delivery”</i>	
	Yuhao Yan – <i>“Mind over Matter: Synthesizing Brain CT for Low-field MRgRT using Deep Learning”</i>	
	Aubrey Parks – <i>“Monte Carlo verification of Cherenkov imaging in tissue for effects from beam energy, type, incidence, and camera choices”</i>	
	Nicholas Summerfield – <i>“Cardiac Mask-erase: Low Field MR and Deep Learning's Reveal”</i>	
	Grace Hutchinson – <i>“Chronic Renal Toxicity Dose Response Model for Pediatric Myeloablative Bone Marrow Transplant Conditioning Regimen Using Total Body Irradiation”</i>	
	Autumn Walter – <i>“Development of a ring-based compensator system for intensity modulated small animal irradiations”</i>	
	Sean Jollota – <i>“A proposed dosimetry formalism for diffusing alpha-emitters radiation therapy (DaRT) brachytherapy seeds”</i>	
	Alexander Niver – <i>“Non-Contact Scintillator Dosimetry for Total Body Irradiation”</i>	
	Steve Blum – <i>“Dosimetric impact of interfraction adaptive template-based interstitial brachytherapy for gynecological malignancies”</i>	
15:00	Afternoon break and vendor interactions	(30 min)
15:30	Afternoon Session - “Looking to the Future”	
	Dimitris Mihailidis – <i>“The focus of the AAPM Task Group #359 (Flash /ultra-high dose rate radiation dosimetry): Why do we need this TG guidance?”</i>	(45 min)
	Diego Hernando – <i>“Machine Learning for Medical Imaging”</i>	(30 min)

16:45

Closing remarks, Awards, and Adjourn

(15 min)

This meeting has applied to CAMPEP for 6.5 hours of MPCEC.