AAPM NORTH CENTRAL CHAPTER

2016 Spring Meeting

April 15, 2016
Salon A / Stoney Creek Inn
3060 S Kinney Coulee Rd., Onalaska, WI 54650

AGENDA

7:30 AM  Registration and Continental Breakfast

8:30 AM  Welcome, Introductions, Announcements

8:45 AM  Morning Session 1

0845  Enhancing the value of the medical physicist: AAPM initiatives  (45 min)
Bruce Curran
Associate Professor of Radiation Oncology
VCU Health System

0930  Innovations in LINAC vault design: Some practical challenges and considerations  (45 min)
Sugata Tripathi
Physicist, NCC-AAPM President
Marshfield Clinic

10:15 AM  Coffee Break  (45 min)

11:00 AM  Morning Session 2

1100  MLC modeling and optimizing the DLG: Predicting and preventing a major mode of IMRT QA Failure  (45 min)
Michael Grams
Clinical Medical Physicist
Mayo Clinic

1145  Radiation safety considerations in Y-90 radioembolization procedures  (30 min)
Mary Ellen Jafari
Radiation Safety Officer, Physicist
Gundersen Health System

12:15 PM  Lunch Break  (45 min)

1:00 PM  Business Meeting  (45 min)
1:45 PM  **Afternoon Session 1**

1345  *Changing your oncology information system: a process and lessons learned*  
Casey Abing  
NCC-AAPM President Elect, Physicist  
Gundersen Health System  
(40 min)

1425  *Changing your oncology information system: an opinion from a long time Mosaiq user*  
John Wochos  
Physicist  
Gundersen Health System  
(10 min)

**Young Investigator Presentations**

1435  *Stereotactic radiosurgery optimized with orthovoltage beams*  
Jessica Fagerstrom  
Medical Physics Resident  
University of Wisconsin  
(11 min)

1446  *Pre-clinical radionuclide therapy dosimetry in several pediatric cancer xenografts*  
Ian Marsh  
Research Assistant  
University of Wisconsin  
(11 min)

1457  *Treatment planning study on CT images reconstructed with an Iterative Metal Artifact Reduction Algorithm*  
Sarah Anderson  
Radiation Oncology Resident  
Mayo Clinic  
(11 min)

1508  *Identifying distinct radiation therapy plan classes through multi-dimensional analysis of plan complexity metrics*  
Vimal Desai  
Medical Physics Graduate Student  
University of Wisconsin  
(11 min)

3:20 PM  **Coffee Break**  
(30 min)

3:50 PM  **Afternoon Session 2**

1550  *Molecular imaging in radiation oncology: Brief introduction for physicists*  
Yoichi Watanabe  
Medical Physicist  
University of Minnesota – Twin Cities  
(20 min)

1610  *Setting up a STEM booth - Ideas and resources*  
Mary Fox  
Director of Physics  
Minneapolis Radiation Oncology  
(20 min)

4:30 PM  **Young Investigator Awards and Adjourn**