

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* (40 min)
Casey Abing
NCC-AAPM President Elect, Physicist
Gundersen Health System

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

Young Investigator Presentations

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

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

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

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

3:20 PM Coffee Break (30 min)

3:50 PM Afternoon Session 2

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

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

4:30 PM Young Investigator Awards and Adjourn