



AAPM MIDWEST CHAPTER SPRING MEETING
Saturday April 23, 2016
The Westin Lombard / Yorktown Center
70 Yorktown Shopping Center, Lombard, IL 60148

- 7:30 Registration and Coffee
Open registration outside of Junior Ballroom
- 8:00 Welcome and Announcements
Mark Pankuch - President of the AAPM Midwest Chapter

Young Investigator's Symposium
Moderator: John Roeske

- 8:10 A Monte Carlo Cell Nucleus Model for Assessing Cell Survival Probability Based
On Particle Track Structure Analysis
Brian Lee, Northwestern University
- 8:30 Simulated scatter imaging of lung SBRT patients for real-time tumor tracking
Gage Redler, Rush University Medical Center
- 8:50 Phantom studies for real-time tracking of respiratory tumor motion using scatter
imaging
Gizem Cifter, Rush University Medical Center

Scientific Session
Moderator: Mark Pankuch

- 9:10 Knowledge Based Planning Modeling with Independent Quality Assessment
Rob Foster, Northwestern Medicine Chicago Proton Center and Northwestern
Medicine Cancer Center Warrenville
- 10:00 A DVH-based IMRT QA action level system
Heming Zhen, Rush University Medical Center
- 10:30 **Special Memorial Presentation of Dr. Franca Kuchnir**
Chet Reft, University of Chicago
- 10:40 Coffee Break / Vendor Viewing
- 11:10 Failure Mode and Effect Analysis of Liver Stereotactic Body Radiotherapy
Murat Surucu, Loyola University Medical Center
- 11:40 Nomogram for prediction, comparison, and evaluation of dose to normal tissue in
SRS planning
Alistair Templeton, Rush University Medical Center
- 12:10 Business Meeting
Mark Pankuch - President of the AAPM Midwest Chapter

12:30 Closing Comments
12:40 Lunch at Harry Cary's
2:00 Board meeting

***** An application for CAMPEP credits has been submitted.

***** This event is sponsored by vendors of the products we use in our clinics every day. Special thanks to all of our vendors who have offered financial assistance to allow this meeting to be held.