AAPM MIDWEST CHAPTER SPRING MEETING  
Saturday, April 16, 2011  
University of Phoenix Warrenville Learning Center  
(Next door to the CDH ProCure Proton Center)  
4525 Weaver Parkway  
Warrenville, Illinois  

Schedule of Events  
8:00  Registration and Coffee  
8:30  Welcome and Announcements  
Mark Pankuch, PhD  

Invited Presentation  
Moderator: Plato C. Lee, PhD  
8:45  ACR Accreditation:  
Patrick Conway, MD  
ACR & Gundersen Lutheran Hospital, La Crosse, WI  

Young Investigator’s Symposium  
Moderator: Chet Reft, PhD  
9:45  Motion Management through DMLC Tracking in Volume-modulated Arc Therapy  
Baozhou Sun, PhD and Dharanipathy Rangaraj, PhD  
Washington University School of Medicine, St. Louis, MO  
10:05  SRS Diode and Diamond Detector Signal Response Correction Factors in a Small Diameter Stereotactic Radiosurgery Fields”  
Gocha Khelashvili Ph.D., James Chu, PhD, Damian Bernard, PhD, Aidnag Diaz, MD, and Julius Turian PhD.  
Rush University Medical Center, Chicago, Illinois  
10:25  Prognostic Value of Automatically Segmented Lung Volumes During Chemotherapy for Patients with Mesothelioma  
Zacariah Labby, BS, William Sensakovic, PhD, Anna Nowak, MBBS, PhD, Hedy Kindler, MD, Samuel Armato, III, University of Chicago, Chicago, Illinois  
10:45  Coffee Break: Raffle tickets to be distributed!  

Scientific Session  
Moderator: Alex Markovic, PhD  
11:15  Theoretical Investigation of the Pencil-Beam Solution from the Fermi-Eyges’ Partial Differential Equation  
Damodar Pokhrel, PhD and Jeffrey F. Williamson, PhD  
Northwestern Memorial Hospital, Chicago, Illinois and Virginia Commonwealth University, Virginia  
11:45  Lunch  

Scientific Session  
Moderator: Alex Markovic, PhD  
12:45  Challenges of Implementing Lean and Six Sigma Principles in Radiation Therapy (Community) Clinics  
Dharanipathy Rangaraj, PhD  
Washington University School of Medicine, St. Louis, MO  
1:45  The CDH Proton Therapy Center: An overview of center and our experiences thus far  
Mark Pankuch PhD, CDH Proton Center: A ProCure Center, Warrenville, Illinois  
2:35  Secondary Neutron Dose Equivalent in a Uniform Scanning Proton Therapy System  
Draiik Hecksel, M.S. CDH Proton Center: A ProCure Center, Warrenville, Illinois  
3:00  Midwest Chapter AAPM Raffle Drawing, Mary Ellen Smajo, PhD, Secretary  
3:10  Business Meeting, Alex Markovic, PhD, President  
3:40  Tour of CDH Proton Center Facility  
4:10  Midwest Chapter AAPM Board Meeting, Alex Markovic, PhD, President  

The Association’s Scientific Journal is MEDICAL PHYSICS.