AAPM MIDWEST CHAPTER SPRING MEETING

Saturday April 26, 2014

The Westin Lombard / Yorktown Center

70 Yorktown Shopping Center, Lombard, IL 60148

7:30 **Registration and Coffee**
Open registration outside of Lilac Room D

8:00 **Welcome and Announcements**
Mark Pankuch, PhD

Young Investigator's Symposium
Moderator: Chet Reft, PhD

8:10 **Markerless motion tracking of lung tumors using dual-energy fluoroscopy**
Rakesh Patel, PhD, Loyola University Medical Center

8:30 **BrainLab Commissioning of an Elekta Axesse and Validation of Small-Field Relative Output Factors**
Daniel Cutright, PhD, Northwestern Memorial Hospital

8:50 **Experience of clinical implementation of OSLDs for routine *in vivo* dosimetry**
Ian Bacchus, PhD, Northwestern Memorial Hospital

9:10 **An Investigation of the Dynamic Response of a Novel Acousto-Optic Liquid Crystal Detector for Full-Field Transmission Ultrasound Breast Imaging**
Jonathan Rosenfield, University of Chicago

9:30 **2D Collision Detection for IGRT**
Laura Padilla, University of Chicago

9:50 **A Hybrid T2-Diffusion Weighted MR Imaging Approach for Prostate Cancer**
Meredith Sadinski University of Chicago

10:10 **Coffee Break / Vendor Viewing**

11:00 **Business Meeting**
John Roeske, PhD – President

11:30 **Update on the current status of CAMPEP**
Chester Reft, PhD, University of Chicago

History Session
Moderator: John C. Roeske, PhD

11:45 **Consultations in Radiation Shielding: A 40 Year (1974-2014) Retrospective**
Glenn Glasgow, PhD

12:45 **Closing Comments**
John Roeske, PhD

1:00 **Lunch at Harry Cary's**

2:30 **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.