AAPM MIDWEST CHAPTER SPRING MEETING
Saturday April 27, 2013
Central DuPage Hospital
Winfield, IL 60190
We have applied for 5.25 MPCECs from CAMPEP

8:00 Registration and Coffee

8:30 Welcome and Announcements
Mark Pankuch, PhD

Invited Presentation
Moderator: John C. Roeske, PhD

8:45 Comparison of Intensity and Energy Modulated Proton Therapy (IMPT) with State-of-Art Photon IMRT
Lei Dong, PhD, Director, Chief of Medical Physics, Scripps Proton Therapy Center, San Diego, CA

9:45 Coffee Break

Young Investigator's Symposium
Moderator: Chet Reft, PhD

10:00 A Feasibility Study on Incorporating kV Dose Considerations into the Treatment Planning Stage for IGRT of the Lung
Zachary Grelewicz, Graduate Student, The University of Chicago

10:15 Early Detection of Radiation Exposure Skin Reactions by Changes in Thermal Effusivity
Nrusigh Biswal, PhD, Resident, Rush University Medical Center

10:30 Registration with and without the Cranium when using the ExacTrac System for Frameless Intracranial SRS
Bradley McCabe, PhD, Resident, The University of Chicago

10:45 PET Image-Guided Dose Escalation Study for Cervical Cancer Patients Receiving HDR Brachytherapy
James Anderson, PhD, Resident, Rush University Medical Center

11:00 Monte Carlo-Based Radiation Treatment Planning in Lung Cancer Patients
Chris Kabot, Graduate Student, Loyola University Medical Center and DePaul University

11:15 Blood Perfusion of the Skin as an Indicator of Radiation-Induced Skin Reaction
Naser Darwish, PhD, Post-Doctoral Fellow, Rush University Medical Center

11:30 Elekta Agility Commissioning and Modeling at Northwestern Memorial Hospital (NMH)
Daniel Cutright, PhD, Resident, Northwestern University

11:45 Dependence of Texture Feature Value Changes on the Severity of Acute Radiation Damage
Alexandra Cunliffe, Graduate Student, The University of Chicago

12:00 Business Meeting
Plato Lee, PhD – President

12:15 Lunch

History Session
Moderator: John C. Roeske, PhD

1:15 Medical Physics before the Millenium: A Personal Experience at the University of Chicago.
Franca T. Kuchnir, PhD, Associate Professor Emeritus, The University of Chicago

Scientific Session
Moderator: Plato C. Lee, PhD

2:15 Intensity Modulated Proton Therapy (IMPT): Initial Experience
Mingcheng Gao, PhD, Physicist, CDH Procure Proton Center

2:45 Changes and Updates in CAMPEP Accredited Residency Programs
Chester Reft, PhD, Associate Professor, The University of Chicago

3:15 A Multi-Institutional Review of SBRT Planning Goals within the Midwest Chapter
Murat Surucu, PhD, Assistant Professor, Loyola University Medical Center

3:45 Tour of proton center

4:15 Board meeting

Meeting Support

The following vendors have generously provided financial support for this meeting:

Elekta
IBA
Landauer
BrainLab
MIM
ViewRay
Lifeline
ScandiDose
Varian Medical Systems
SunNuclear
Civco
Isoaid