American Association of Physicists in Medicine
Midwest Chapter

AAPM MIDWEST CHAPTER SPRING MEETING
Saturday, April 18, 2009

Midwest Regional Cancer Center
2520 Elisha Avenue, Zion, IL 60099

Schedule of Events

9:00 **Registration and Coffee**
9:25 **Welcome and Announcements, Yuri Ellis, MS**

Young Investigator's Symposium - Moderator: Chet Reft, PhD, Univ. of Chicago

9:30 *Gradient Cumulative Index: A Method of Dose Gradient Evaluation in Radiosurgical Dosimetry,* Robert Laureckas, MS, Rosalind Franklin University, North Chicago, IL

9:45 *Development of a Gated Frameless Stereotactic Radiosurgery/Radiotherapy System with Real-Time 3D Position Monitoring and Adaptive Head Motion Compensation,* Zhifei Wen, University of Chicago

10:00 *An evaluation of the sensitivity of using an ultrasound fusion method for verification of Mammosite Balloon Fill Volume,* Stephanie Haddad, Rosalind Franklin University, North Chicago, IL

10:15 *An efficient computational research tool: Histogram Analysis in Radiation Therapy (HART),* Anil Pyakuryal, Northwestern Memorial Hospital, Chicago, IL and the University of Illinois at Chicago, Chicago, IL

Open Talk - Moderator: Vythialinga Sathiaseelan , PhD

10:30 *Acceptance testing the new O-arm imaging system*, G. Prasad, PhD

10:50 *Passing of Professor Skaggs announcement,* Chet Reft, PhD
10:55 *Passing of Dr. Arnold Feldman announcement,* Allen Hrejsa, PhD

11:00 **Coffee Break**

Invited Speaker - Moderator: Alex Markovic, PhD

11:30 *Radiosurgery Using the GammaKnife Perfexion, Gregg DeVanna, MS*

12:20 **Business meeting, Vythialinga Sathiaseelan, PhD, President**

1:00 **Lunch and tour of facilities**

2:00 AAPM Midwest chapter board meeting