



American Association of Physicists in Medicine
Midwest Chapter

AAPM MIDWEST CHAPTER SPRING MEETING
Saturday, May 13, 2006

Daniel Hale Williams Auditorium (Room no: McGaw 2-320)
McGaw Pavilion, 240 East Huron
Northwestern Memorial Hospital\Northwestern University Campus
Chicago, IL 60611

Schedule of Events

- 8:00 Registration and Coffee
8:25 Welcome and Announcements, V. Sathiaselan, PhD
8:30 Young Investigator's Symposium
Moderator: Chet Reft, PhD, Univ. of Chicago
8:42 Volumetric texture analysis of breast lesions on DCE-MR images
Weijie Chen & Maryellen L. Giger, PhD, Univ. of Chicago
8:54 The development of a computer software reconstruction program for creating high quality
CT mammography utilizing mammography equivalent doses
Hoang Tien Vu, Rosalind Franklin University of Medicine and Sciences
9:06 Preliminary study of a volumetric display for radiation therapy treatment planning
Xing Gong, Rush Medical University
9:18 Dosimetric validation of tomotherapy in heterogeneous media
Summer Chaudhari, Rosalind Franklin University of Medicine and Sciences
9:30 Comparison of image segmentation algorithms on digitized mammograms and FFDM images
for CAD
Yading Yuan, Univ. of Chicago
9:42 Comparison of physical and biological dose optimization for HDR
Stephen Amadon, Rush Medical University
10:00 Coffee Break
Moderator: Glenn Glasgow, PhD
10:30 Invited Speaker: John A. Kalapurakal, MD, Northwestern University
The Role of Radiation in Prostate Cancer Treatment:
Current Status and Future Developments
11:15 Circumventing the oil-based fiducial shift phenomenon in MRI stereotactic localization
Alan Kepka, PhD, Todd Parish, PhD, and Robert Levy, MD, PhD
Northwestern Memorial Hospital\Northwestern University
11:30 In-vivo and phantom measurements of the secondary photon and neutron doses for prostate
patients undergoing 18 MV IMRT, Chet Reft, PhD, Univ. of Chicago
11:45 PET for Molecular Imaging and Radiation Therapy, Sunyoung Yang, PhD, Northwestern
Memorial Hospital\Northwestern University
12:00 Inaccuracies in the standardized uptake values (SUV) computed in FDG PET images
James Halama, PhD, Loyola University Medical Center
12:15 What has 4 walls and goes up in 5 days?, Thomas Rhea, PhD, RAD-Technology
12:30 A methodology to transfer ADAC plans and Calc check data to IMPAC electronically
Robert Sandberg, Northwestern Memorial Hospital

12:45 MOC and CAMPEP - What do these mean for us?
V. Sathiaselalan, PhD, Northwestern Memorial Hospital\Northwestern University
13:00 Business Meeting, Glenn Glasgow, PhD, President
13:30 Lunch and Tour of Radiation Oncology Facilities, Galter Pavilion Room LC-178
14:30 AAPM Midwest Chapter Board Meeting.
(Radiation Oncology, Conference Room, Galter LC 231)

Meeting will be held in the Daniel Hale Auditorium in McGaw Pavilion (Room 2-320). Enter the building from Olson Pavilion on 710 N Fairbanks. The conference room is on the 2nd floor. Signs will be posted to direct you to the conference room.

Registration, Refreshments and Vendor exhibit area will be in Room 2-322.

Lunch will be in the Radiation Oncology Department conference room in Galter Pavilion Room (LC 231). You will be guided to this area after the business meeting. A tour of the radiation oncology department will be provided for those interested after lunch.

Directions:

The Northwestern Memorial Hospital\Northwestern University Campus Map can be accessed at the following link:

<http://www.nmh.org/nmh/hospitalguide/gettinghere.htm>

If you want cheaper parking, do not use the Huron street parking lot but follow the information given below.

Parking:

Early Bird Special Available at Erie-Ontario Self Park at 321 East Erie (Phone no: 312 642 6062). This parking lot operated by Standard Parking is located a block south & east of the McGaw\Olson Pavilions and can be accessed from the Erie street entrance (going east towards the lake) or Ontario street entrance (going west away from the lake). For the special rate of \$13.00 (all taxes included) you need to enter by 9:30 AM and leave by 7:30 PM.