

NCC AAPM 2010 Fall Meeting Agenda
AURORA HEALTH CARE CONFERENCE CENTER
MILWAUKEE, WI
Saturday, October 9, 2010

7:30–8:00 am Registration and Continental Breakfast (free)

8:00–8:10 am Welcome, Introductions and Announcements (10 min)
Vendor Introduction

8:10–9:50 am Morning Scientific Session I (1 hr 40 min)

- 8:10 Effect of extended delivery times in IMRT, Nagaraju Mogili, M.S. (20min)
- 8:30 Necrosis in the brain after fractionated radiotherapy; towards better radiobiological models, Ed Bender, Ph.D. (40min)
- 9:10 A comparison of respiratory-gated IMRT and Tomotherapy for treatment of pancreatic cancer, Doug Prah, Ph.D. (20min)
- 9:30 Ex vivo thermoacoustic imaging of porcine kidneys, Sarah Patch, Ph.D. (20min)

9:50–10:20 am Coffee Break (Vendor display area – 30 min)

10:20–11:40 am Morning Scientific and Professional Session II (1hr 20 min)

- 10:20 Energy Resolved CT: Image reconstruction and detector effects, Taly Gilat-Schmidt (20min)
- 10:50 Current Status of Clinical Hyperthermia, Vythialingam Sathiaseelan, Ph.D. (20min)
- 11:10 Patient Safety in Radiation Therapy, Bill Hendee, Ph.D. (40min)

11:55–12:30 pm Lunch Break (35 min), free lunch

12:30–1:15 pm NCCAAPM Business Meeting (45 min)

1:15–2:30 pm Young Investigator Presentations (1 hr 15 min)

- 1:15 Characterization of Gafchromic EBT2 Film Dosimetry, Travis McCaw (15min)
- 1:30 Measurement of Thoracic Soft Tissue Predicts Survival in Mesothelioma Patients, Zac Labby (15min)
- 1:45 A new database to facilitate the quantification and reduction of dose in CT, Franco Rupcich (15min)
- 2:00 Deconvolution of TLD-100 glow curves for dose measurement of low energy x-rays, Qing Liang (15min)
- 2:15 Determination of the intrinsic energy dependence of LiF:Mg,Ti thermoluminescent dosimeters, Joshua Reed (15min)

2:30–3:00 pm Coffee Break (Vendor display area - 30 min)

3:00–4:20 pm Afternoon Scientific Session (1 hr 20 min)

- 3:00 Risk estimates for rectal toxicity for individual patients based on meta-analysis of published data, Phil Prior, Ph.D. (20min)
- 3:20 Plate-specific gap map correction for the improvement of DQE in computed radiography, Erich Schnell, M.S. (20min)
- 3:40 Validation of an online replanning technique for prostate adaptive radiotherapy, Cheng Peng, Ph.D. (20min)
- 4:00 Characterization of interfactional anatomic variations in abdomen, Feng Liu, Ph.D (20min)

Meeting Conclusion