

American Association of Physicists in Medicine
Ohio River Valley Chapter



Program
March 9-10, 2012
Columbus, OH



Ohio River Valley Chapter

AAPM ORVC Spring 2012 Symposium Program

Friday, Mar. 9th – The Blackwell Hotel at the Ohio State University 2110 Tuttle Park Place, Columbus, OH –(866)247-4003 (614)247-4000	
6:15 pm to 6:30 pm	Poster session setup
6:30 pm to 6:45pm	Reception and “Meet & Greet” social, then dinner seating
6:50pm to 7:30pm	“Connecting Oncology with Velocity GRID: Image Analysis and Oncology PACS” <i>Michael I. Crocker, Director of Sales, Velocity Medical Solutions, LLC</i>
7:30pm to 8:10pm	“SDX, Spirometric Motion Management System” <i>Tom Miklasz, Sales Manager, Qfix Systems (WFR-Aquaplast)</i>
8:10pm to 9:30pm	“Meet & Greet” social continued, cash Bar, exhibits and poster sessions

POSTER PRESENTATIONS:

History of AAPM Ohio River Valley Chapter

Minsong Cao, PhD, UCLA

Design of Site-Specific Prognostic Morbidity-Mortality Studies and Internal Outcome Focus Studies in Radiation Oncology

Michael S. Gossman, M.S., DABR Tri-State Regional Cancer Center Ashland, KY

Dynamic Respiratory Gated Radiation Treatment using DMLC

Huanmei Wu, PhD, Indiana University Purdue University Indianapolis

Postnatal Brain Dysmorphology Induced by Prenatal Alcohol Exposure: A Preclinical MRI Study

Huisi Ai, Purdue University

Technical Aspects of the Newly Designed Ferromagnetic Core Thermo-brachytherapy Seed

Gautam, Bhoj R, University of Toledo Medical Center

Study of Dose Enhancement due to Gold Nanoparticles Using 3-D Gel Micro-Dosimetry

Nava Paudel, , University of Toledo Medical Center

Fluorescent Radiation Dosimetry

Peter A. Sandwall II, University of Cincinnati

Cone-Beam Computed Tomography Dose in Solid Water

Austin Schneider, Radiological Technologies University-VT

We would like to offer special appreciation to Nilendu Gupta, Ph.D., DABR, Michael Weldon, Ph.D .DABR, and colleagues of the James Cancer Center and Solove Research Institute at Ohio State University for their support as local meeting organizers.



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Educational Program

Saturday, Mar. 10th - The Blackwell Hotel at the Ohio State University 2110 Tuttle Park Place, Columbus, OH –(866)247-4003 (614)247-4000	
7:00 am to 8:00 am	Vendor Exhibit Setup
7:30 am to 8:30 am	Continental Breakfast (Provided) / Vendor Exhibits
8:30 am to 8:35 am	Symposium Launch by AAPM ORVC President <i>Minsong Cao, Ph.D., DABR – Indiana University</i>
8:35 am to 8:45 am	Opening Remarks by AAPM ORVC President-Elect <i>Chris Allgower, Ph.D., DABR – Indiana University</i>
8:45 am to 9:45 am (Invited Speaker)	James G. Kereiakes Keynote Lecture Keynote Address: “The emerging roles of imaging in Radiation Oncology” <i>James Balter, Ph.D., DABR, FAAPM</i> <i>University of Michigan</i>
9:45 am to 10:00am	<i>Coffee Break (provided)/vendor Exhibits</i>
10:00 am to 10:15 am	#1 - CT Tube Current Modulation: Effects of Radiograph Direction and Patient Positioning <i>Jessica Cornett, University of Kentucky</i>
10:15 am to 10:30 am	#2 - Feasibility of Using the “Irregular Surface Compensator” Feature of the Eclipse TPS for Total Body Irradiation (TBI) Treatment Planning <i>Ahmet Ayan, Ohio State University</i>
10:30 am to 11:00 am	#3- Development of a Comprehensive Linac-based Quality Assurance Procedure for a retrofitted Micro-MLC SRS System <i>George. Hancock, University of Toledo</i>
11:00 am to 11:15 am	Coffee Break (Provided) / Vendor Exhibits
11:15 am to 11:30 am	#4 - Monitoring the Effects of Anti-angiogenesis and Re-oxygenation on Radiotherapy in Pancreatic Cancer Xenografts <i>Ning Cao, Purdue University</i>
11:30 am to 11:45 am	#5 - Quantitative assessment of the source attenuation for the new CT-compatible titanium Fletcher-Suit-Delclos gynecologic applicator <i>Neelu Soni, University of Toledo</i>
11:45 am to 12:00 pm	#6 - Small Field Electron Beam Dosimetry Using Solid State Detectors on the Surface and in the Build-Up Region <i>Sean Tanny, University of Toledo</i>
12:00 pm to 1:00 pm	Lunch Break (Box Provided) / Vendor Exhibits
1:00 am to 1:15 am	#7- CT Examination of Pediatric Hydrocephalus: Excessive Radiation dose and alternative <i>Xiaoqin Wang, University of Kentucky</i>



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1:15 am to 1:30 am	#8 - A model for the simulation of EPID measurements in the BeamNRC Monte Carlo package <i>Nicholas Sperling, University of Toledo</i>
1:30 am to 1:45 am	#9 - Scleredema adultosum – a clinical experience <i>Margaret Cunningham, Ohio State University</i>
1:45 am to 2:00 am	#10- Effect of immobilization/support devices on skin doses for stereotactic body radiotherapy <i>Yong Peng, Indiana University</i>
2:00 am to 2:15 am	Coffee Break (Provided) / Vendor Exhibits (Optional Exhibit Breakdown) and Judge Deliberation
2:15 pm to 2:25 pm	Awards
2:25 pm to 3:15pm (Invited Speaker)	Perspectives on the AAPM/ABR 2014 requirement and the educational landscape in Medical Physics <i>Janelle A. Molloy, Ph.D., FAAPM</i> <i>University of Kentucky</i>
3:15pm to 3:25pm	Adjournment / Coffee Break (Provided) (Optional Exhibit breakdown)
3:25 pm to 4:00pm	Business Meeting

Exhibitor Acknowledgements

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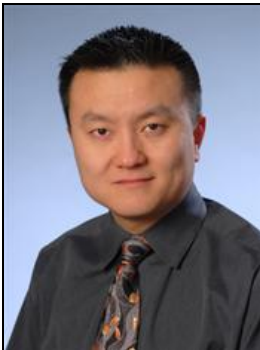


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The Ohio River Valley Chapter Officers would like to thank you for your attendance. We look forward to seeing you again at our Fall Symposium.

