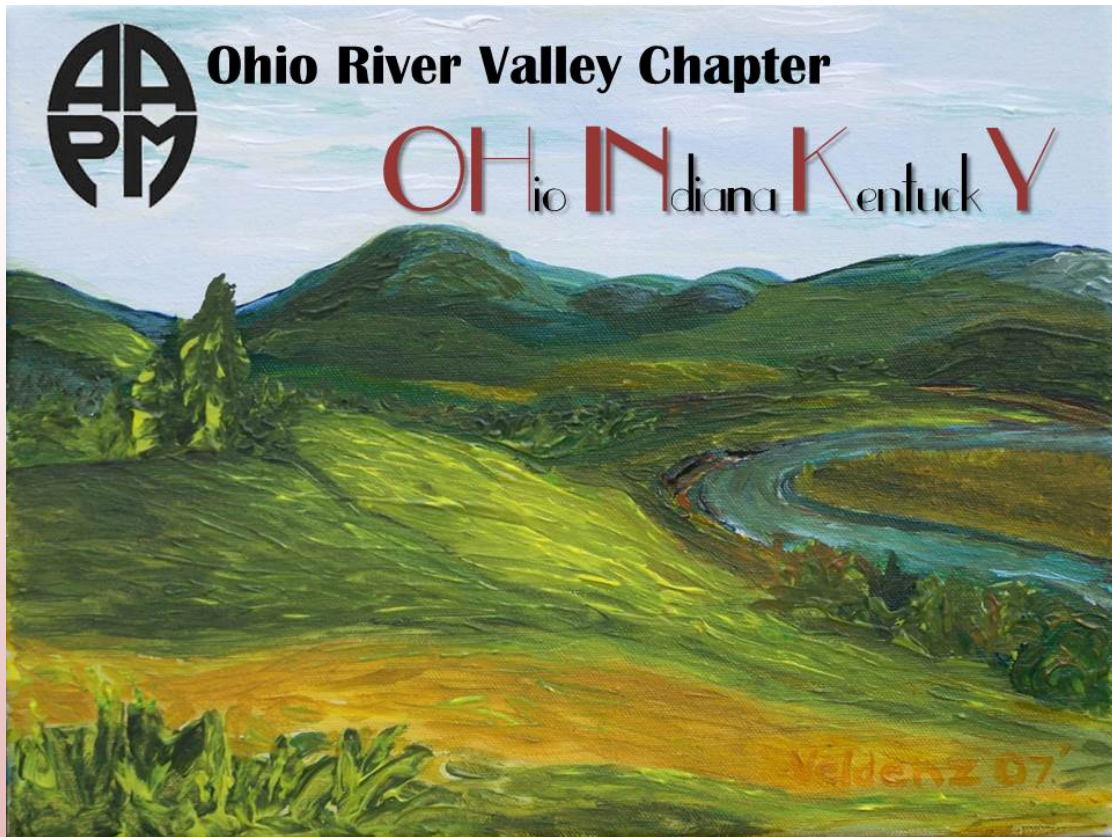


Spring Educational Symposium - 2016



**April 15-16, 2016
Courtyard Marriott
Downtown
Springfield, OH**



Ohio River Valley Chapter

AAPM ORVC Spring 2016 Symposium Program

Friday, April 15 – Marriott Courtyard Springfield Downtown

100 South Fountain Avenue Springfield, OH 45502 – (937) 322-3600

6:00 pm to 8:00 pm	Poster session setup, “Meet & Greet”
	hors d'oeuvres and 2 drinks tickets provided
8:00pm to ~11:00pm	Social event at Hafle Winery – transportation provided (Bus leaving Marriott at 8pm, returning at 11pm)
	Lite dinner provided

POSTER PRESENTATIONS FROM SUBMITTED ABSTRACTS:

All posters are welcome. If you did not submit an abstract but would like to present a poster please contact a chapter officer. Please bring posters to the Dana Cancer Center Lobby area one hour prior to the meet & greet. Any presenter who was accepted for a presentation is eligible to bring a poster to be displayed from 6-8pm on Friday. Poster boards will be provided.

(Additional posters on display are from the Ohio River Valley Chapter membership at large.)

Learning objectives for attendees:

- To learn about current strategies and future directions pertaining to patient safety in radiation therapy
- To learn about career options and challenges facing new medical physics graduates

6 MPCEC credits have been applied for through CAMPEP



Ohio River Valley Chapter

Saturday, April 16 –Marriott Courtyard Springfield Downtown

100 South Fountain Avenue Springfield, OH 45502 – (937) 322-3600

7:00 am to 7:30 am	Vendor Exhibit Setup
7:30 am to 8:30 am	Breakfast (Provided) / Vendor Exhibits
8:30 am to 8:40 am	Symposium Launch by AAPM ORVC President <i>Nicholas Sperling, PhD., DABR, University of Toledo Medical Physics Graduate Program</i>
8:40 am to 8:45 am	Opening Remarks by AAPM ORVC President-Elect <i>Wei Luo, Ph.D., DABR, University of Kentucky Radiation Medicine</i>
8:45 am to 9:45 am (Guest Speaker)	Honorary James G. Kereiakes Keynote Lecture Waiting to Exhale: Surface Imaging for Deep-Inspiration Breath-hold Treatments of Breast Cancer <i>Dr. Hania Al-Hallaq, University of Chicago</i>
9:45 am to 10:15am	Coffee Break (Provided) / Vendor Exhibits
10:15 am to 10:30 am	Evaluating the Dose and Image Quality of Proton Computed Tomography using a Filtered Backprojection Reconstruction from Monte-Carlo Cone-Beam Projection Simulations <i>Derek Moyer, University of Cincinnati</i>
10:30 am to 10:45 am	Use of Organ Exposure Modulation to Reduce Eye Lens Dose in Diagnostic CT <i>Kyle Luttrell, University of Toledo</i>
10:45 am to 11:00 am	A Modern Review of the Radiotherapeutic Potential of UV Light <i>Eric Miller, University of Kentucky</i>
11:00 am to 11:30 am	Coffee Break (Provided) / Vendor Exhibits
11:30 am to 11:45 am	Polarity Effect in Small Volume Ionization Chambers in Small Fields <i>Vidheesha Arora, University of Toledo</i>
11:45 am to 12:00pm	Assessment of Baseline Active Bone Marrow Volume and Correlation to Baseline Hematologic Parameters for Pelvic Malignancies <i>Mickaela Sudhoff, University of Cincinnati</i>



Ohio River Valley Chapter

12:00 pm to 12:15 pm	A sensitivity dosimetry study of setup uncertainties during machine commissioning and annual QA <i>Vi Nhan Nguyen, University of Louisville</i>
12:15 PM to 1:15 PM	Lunch (Provided) / Vendor Presentations
1:15 PM to 1:30 PM	Evaluation of Detector response in Small Field Dosimetry <i>Aleem Qureshi, University of Toledo</i>
1:30 PM to 1:45 PM	Quantification of Mouse Brain Vasculature <i>Camrin Tipton, University of Cincinnati</i>
1:45 PM to 2:00 PM	A novel approach for sparing critical organs at risk for cancer patients undergoing radiation oncology treatments <i>Hossein Lavvafi, University of Toledo</i>
2:00 PM to 2:15 PM	Evaluation of the MaxFOV Extended Field of View (EFOV) Reconstruction Algorithm on a GE RT590 CT Scanner <i>Shelby Grzetic, Ohio State University</i>
2:15 PM to 2:30 PM	Coffee Break (Provided) / Vendor Exhibits
2:30 PM to 2:45 PM	Dosimetric Comparison of Radiation Treatment Plans for Whole Breast Irradiation between 3D Conformal in Prone and Supine Positions vs. VMAT and IMRT in Supine Positions <i>Anita Buele, University of Toledo</i>
2:45 PM to 3:00 PM	Systematic Evaluation of the Minimum Detectable Shift Using a Range-Finding Camera <i>Michael Platt, University of Cincinnati</i>
3:00 PM to 3:15 PM	Design and Implementation of a Multi-purpose Applicator for Pelvic Brachytherapy Applications <i>Jonathan Bogue, University of Toledo</i>
3:15 PM to 3:30 PM	Coffee Break (Provided) / Vendor Exhibits + Award Deliberation
3:30 PM to 4:00 PM	Awards + President's Closing Comments
4:00 pm -	Adjournment (Exhibit breakdown at 4:00pm) Business Meeting Immediately Following



Ohio River Valley Chapter

Notes:



Ohio River Valley Chapter

Exhibitor Acknowledgements

The Ohio River Valley Chapter would like to thank the generous support of the following corporate participants:

Elite Tier Sponsors



Platinum Tier Sponsors





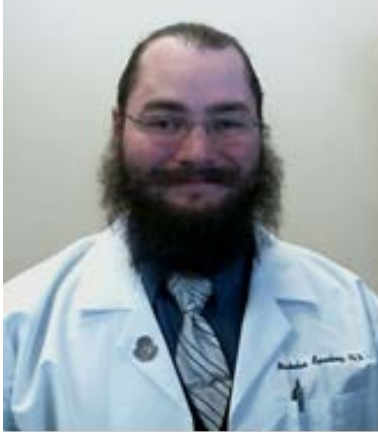
Gold Tier Sponsors



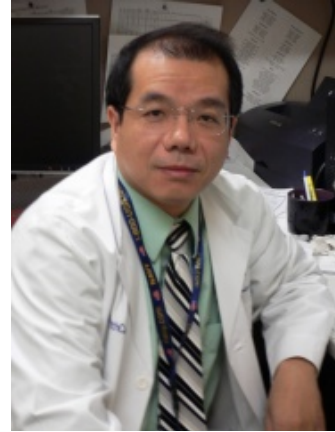


Ohio River Valley Chapter

AAPM ORVC Officers for 2016



*Nicholas Sperling, Ph.D., DABR
ORVC President (for 2016)
University of Toledo, Department
of Radiation Oncology
Toledo, OH*



*Wei Luo, Ph.D., DABR
ORVC President-Elect (for 2016)
University of Kentucky, Department of
Radiation Medicine
Lexington, KY*



*Ashley Cetnar, M.S.
ORVC Secretary/Treasurer
Ohio State University,
Department of Radiation
Oncology
Columbus, OH*



*E. Ishmael Parsai, Ph.D., FAAPM
ORVC Chapter Board Representative
University of Toledo, Department of
Radiation Oncology
Toledo, OH*

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.