



Sunday, July 14

4:00 – 5:00 PM
Exhibit Hall | Forum 3

High-Intensity Ion Source Development for a Pulsed Linear Accelerator Structure
R. Alibazi Behbahani, Q. Diot, B. Kavanagh, M. Miften, D. Westerly

ePoster Forums

Planning Margins and Inter-Fraction Motion for Inpatient Interstitial HDR Brachytherapy
W. Campbell (Recently Graduated Medical Physics Resident), C. Fisher, M. Miften, L. Schubert

The Current State of Physics Plan Training in Medical Physics Residency Programs in North America
L. Schubert, M. Miften, Y. Vinogradskiy, D. Thomas, D. Westerly, K. Stuhr

Monday, July 15

1:45 – 3:45 PM
Room 301

Case-Based Learning Workshops to Train Residents On Clinical Treatment Setups
L. Schubert, W. Campbell, J. Backus, Y. Vinogradskiy

Room 221CD

From Breast Cancer Screening to Stereotactic Biopsy: A Technological, Clinical, and Patient Perspective
R. Marsh, M. Yaffe, D. Ataya

Tuesday, July 16

7:30 – 9:30 AM
Room 225BCD

Fast Fiducial Marker Tracking: An Automated Offline 3D Template Construction Method for Real-Time Tumor Localization
Y. Hwang, W. Campbell, M. Miften, S. Milgrom, B. Kavanagh

10:00 – 10:30 AM
Exhibit Hall | Forum 3

Development of RadFlix: A Projection-Based Video Distraction Therapy System (PBVD) for External-Beam Radiation Therapy
B. Miller, D. Holt, K. Stuhr, M. Miften, S. Milgrom, B. Kavanagh

1:45 – 3:45 PM
Stars at Night
Ballroom 1

An Efficient Workflow for Generation and Refinement of a Knowledge Based Planning Model for Pancreas SBRT Using Automation
T. Patton (Current Medical Physics Resident), Q. Diot, B. Jones, L. Olsen, Y. Vinogradskiy, K. Goodman, T. Scheffer, D. Thomas

Wednesday, July 17

7:30 – 9:30 AM
Room 303

An Analysis of X-Ray Induced Acoustic Imaging and Its Accuracy for Absolute Dosimetry
F. Forghani-Arani, D. Thomas

10:15 – 12:15 PM
Stars at Night
Ballroom 1

Functional Treatment Planning
Yevgeniy Vinogradskiy, Ph.D.

10:-15 – 12:15 PM
Stars at Night
Ballroom 2-3

MedPhys Slam – From Interstellar to Interstitial: Live Imaging for Radiotherapy Monitoring
A. Mahl

10:30 – 11:00 AM
Exhibit Hall | Forum 2

Radiography View Identification with Deep Learning
Donglai Huo, Ph.D. (Radiology Faculty)

1:45 – 3:45 PM
Room 225BCD

NIH Investigator Scientific Highlights
Yevgeniy Vinogradskiy, Ph.D.

Thursday, July 18

10:00 AM – 12:00 PM
Room 303

Optimizing Coded Aperture Imaging Techniques to Allow for Online Tracking of Fiducial Markers with Compton Scatter from Treatment Beam
A. Mahl, B. Miller, M. Miften, B. Jones