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Joseph Y. Lo
Taly Gilat Schmidt
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Hee-Joung Kim, Yonsei University (Korea, Republic of)
Despina Kontos, The University of Pennsylvania Health System
(United States)
Peter B. Noël, Klinikum rechts der Isar der Technischen Universität
München (Germany)
Jinyi Qi, University of California, Davis (United States)
John A. Rowlands, Thunder Bay Regional Research Institute (Canada)
John M. Sabol, GE Healthcare (United States)
Joseph W. Stayman, Johns Hopkins University (United States)
Anders Tingberg, Lund University (Sweden)
Yuxiang Xing, Tsinghua University (China)

John Yorkston, Carestream Health, Inc. (United States)
Lifeng Yu, Mayo Clinic (United States)
Wei Zhao, Stony Brook Medicine (United States)

Session Chairs

- 1 Tomosynthesis and Mammography
Hee-Joung Kim, Yonsei University (Korea, Republic of)
John M. Sabol, GE Healthcare (United States)
- 2 Detectors
Karim S. Karim, University of Waterloo (Canada)
- 3 Joint Session with MI101 and MI105: Task-based Assessment in CT
Ingrid S. Reiser, The University of Chicago (United States)
Despina Kontos, The University of Pennsylvania Health System (United States)
- 4 Cone Beam CT I: New Technologies and Corrections
Taly Gilat-Schmidt, Marquette University (United States)
Joseph W Stayman, Johns Hopkins University (United States)
- 5 CT: Reconstruction and Algorithms
Kirsten Boedeker, Toshiba Medical Research Institute USA, Inc. (United States)
Michael Kachelrieß, Deutsches Krebsforschungszentrum (Germany)
- 6 Keynote and Radiation Dose
Thomas G. Flohr, Siemens Healthcare GmbH (Germany)
Joseph Y. Lo, Duke University Medical Center (United States)
- 7 Photon Counting I: Instrumentation
Mats Danielsson, KTH Royal Institute of Technology (Sweden)
Lifeng Yu, Mayo Clinic (United States)
- 8 Cone Beam CT II: Optimization and Reconstruction
Maria Drangova, Robarts Research Institute (Canada)
Marc Kachelrieß, Deutsches Krebsforschungszentrum (Germany)
- 9 Phase Contrast Imaging
Guang-Hong Chen, University of Wisconsin School of Medicine and Public Health (United States)
Mini Das, University of Houston (United States)
- 10 Photon Counting II: Algorithms
Stephen J. Glick, U.S. Food and Drug Administration (United States)
Peter B. Noel, Klinikum rechts der Isar der Technischen Universität München (Germany)

- 11 Nuclear Medicine and Magnetic Resonance Imaging
Christoph Hoeschen, Otto-von-Guericke-Universität Magdeburg (Germany)
Jinyi Qi, University of California, Davis (United States)
- 12 New Systems and Technologies
Rebecca Fahrig, Siemens Healthcare GmbH (Germany) and Stanford University School of Medicine (United States)
John Yorkston, Carestream Health, Inc. (United States)
- 13 Modeling and Simulations I: CT
Lifeng Yu, Mayo Clinic (United States)
Yuxiang Xing, Tsinghua University (China)
- 14 Modeling and Simulations II: Breast Imaging
Hilde Bosmans, Katholieke Universiteit Leuven (Belgium)
Anders Tingberg, Lund University (Sweden)
- 15 Breast Imaging: Tomosynthesis
Andreu Badal, U.S. Food and Drug Administration (United States)
Wei Zhao, Stony Brook Medicine (United States)

2017 Medical Imaging Award Recipients

Robert F. Wagner Best Student Paper Award

Robert F. Wagner was an active scientist in the SPIE Medical Imaging meeting, starting with the first meeting in 1972 and continuing throughout his career. He ensured that the BRH, and subsequently the CDRH, was a sponsor for the early and subsequent Medical Imaging meetings, helping to launch and ensure the historical success of the meeting. The Robert F. Wagner All-Conference Best Student Paper Award (established 2014) is acknowledgment of his many important contributions to the Medical Imaging meeting and his many important advances to the field of medical imaging.

This award is co-sponsored by:

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2017 Recipients:

First Place: **Direct measurement of Lubberts effect in CsI:TI scintillators using single x-ray photon imaging** (10132-8)

A. Howansky, A. R. Lubinsky, Stony Brook Univ. (United States); S. K. Ghose, Brookhaven National Lab. (United States); K. Suzuki, Hamamatsu Photonics K.K. (Japan); W. Zhao, Stony Brook Univ. (United States)

Second Place: **Evaluation of a high-resolution patient-specific model of the electrically stimulated cochlea** (10135-21)

Ahmet Cakir, Vanderbilt Univ. (United States); Robert T. Dwyer, Vanderbilt Univ. Medical Ctr. (United States); Jack H. Noble, Vanderbilt Univ. (United States)

Conference Awards

Physics of Medical Imaging Student Paper Awards sponsored by Carestream

1st Place: Paper 10132-8, "Direct measurement of Lubberts effect in CsI:TI scintillators using single x-ray photon imaging." Adrian F. Howansky, Stony Brook Univ. (United States)

Runner Up: Paper 10132-90, "Optimal sinogram sampling with temporally offset pixels in continuous rotation CT," Martin Sjölin, KTH Royal Institute of Technology (Sweden)

Runner Up: Paper 10132-5, "Pipeline for effective denoising of digital mammography and digital breast tomosynthesis," Lucas R. Borges, Univ. de São Paulo (Brazil)

Physics of Medical Imaging Poster Presentation Awards sponsored by Siemens Healthineers

Cum Laude: Paper 10132-145, "High spatial resolution performance of pixelated scintillators," Kazuki Shigeta, Toray Industries, Inc. (Japan)

Honorable Mention: Paper 10132-191, "Validation study of the thorax phantom Lungman for optimization purposes," Sunay Rodríguez Pérez, SCK CEN (Belgium) and KU Luven (Belgium)