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2. Detectors
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3. Joint Session with MI101 and MI105: Task-based Assessment in CT
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4. Cone Beam CT I: New Technologies and Corrections
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6. Keynote and Radiation Dose
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   - Joseph Y. Lo, Duke University Medical Center (United States)

7. Photon Counting I: Instrumentation
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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.

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First Place: Direct measurement of Lubberts effect in CsI:Tl 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)

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Physics of Medical Imaging Student Paper Awards sponsored by Carestream
1st Place: Paper 10132-8, “Direct measurement of Lubberts effect in CsI:Tl 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

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)