

*Medical Imaging 2017*

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# **Physics of Medical Imaging**

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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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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)

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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 Leuven (Belgium)