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Hilde Bosmans

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Laboratories, Duke University (United States)
- 14 New Reconstruction Techniques in Dual Energy CT
Frédéric Noo, The University of Utah (United States)
- 15 Artifacts in CBCT Solved
Joseph W. Stayman, Johns Hopkins University (United States)
Lifeng Yu, Mayo Clinic (United States)

2020 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.



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The Medical Image Perception Society

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2020 Recipients:

First Place: **Multi-body registration for fracture reduction in orthopaedic trauma surgery (11315-14)**

R. Han, A. Uneri, P. Wu, R. Vijayan, P. Vagdargi, M. Ketcha, N. Sheth, Johns Hopkins University (United States), S. Vogt, G. Kleinszig, Siemens Healthineers (Germany) G. M. Osgood, John Hopkins Hospital (United States), J. H. Siewerdsen, John Hopkins University (United States)

Second Place: **Phase contrast CT enabled three-material decomposition in spectral CT imaging (11312-47)**

Xu Ji, Ran Zhang, Ke Li, Guang-Hong Chen, University of Wisconsin School of Medicine and Public Health (United States)

Physics of Medical Imaging Student Paper Awards sponsored by GE Healthcare

Winner: **Phase contrast CT enabled three-material decomposition in spectral CT imaging (11312-47)**

Xu Ji, Ran Zhang, Ke Li, Guang-Hong Chen, University of Wisconsin School of Medicine and Public Health (United States)

Runner-up: **Method for metal artifact avoidance in C-Arm cone-beam CT (11312-78)**

P. Wu, N. Sheth, A. Sisniega, A. Uneri, R. Han, R. Vijayan, P. Vagdargi, Johns Hopkins University (United States), B. Kreher, H. Kunze, G. Kleinszig, S. Vogt, Siemens Healthineers (Germany), S.-F. Lo, N. Theodore, and J. H. Siewerdsen, John Hopkins University (United States)

Runner-up: 1 μm spatial resolution in silicon photon-counting CT detectors by measuring charge diffusion (11312-14)

Christel Sundberg, Mats Persson, KTH Royal Institute of Technology (Sweden), J. Jacob Wikner, Linköping University, (Sweden) Mats Danielsson, KTH Royal Institute of Technology (Sweden)