

List of Publications - Elias Eulig

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Legend

Peer reviewed paper pr
Conference contribution cc

Publications

- [1] **Elias Eulig**, J. Maier, A. Hahn, and M. Kachelrieß. Deep Inpainting for
cc Photon-Counting Cone-Beam CT. *Program of the 105th Scientific Assembly and Annual Meeting of the RSNA*, November 2018a
- [2] J. Maier, **Elias Eulig**, S. Sawall, and M. Kachelrieß. Deep Scatter Estima-
cc tion (DSE) for Truncated Cone-Beam CT (CBCT). *Program of the 105th Scientific Assembly and Annual Meeting of the RSNA*, November 2018b
- [3] J. Maier, **Elias Eulig**, S. Dorn, S. Sawall, and M. Kachelrieß. Real-time
cc patient-specific ct dose estimation using a deep convolutional neural network. *IEEE 2018 NSS/MIC/RTSD*, November 2018c
- [4] J. Maier, **Elias Eulig**, T. Vöth, M. Knaup, S. Sawall, and M. Kachelrieß.
pr Deep Scatter Estimation: Accurate Real-Time Scatter Estimation for CT and Cone Beam CT using a Deep Convolutional Neural Network. *Medical Physics*, 2018
- [5] **Elias Eulig**, J. Maier, M. Knaup, T. Koenig, K. Hörndler, and M. Kachel-
cc rieß. Deep DSA: Learning digital subtraction angiography for static and dynamic acquisition protocols using a deep convolutional neural network. *Program of the 25th European Congress of Radiology (ECR)*, February 2019
- [6] J. Maier, **Elias Eulig** Sabrina Dorn, S. Sawall, and M. Kachelrieß. Real-time
cc patient-specific CT dose estimation for single- and dual-source CT using a deep convolutional neural network. *Program of the 25th European Congress of Radiology (ECR)*, February 2019
- [7] **Elias Eulig**, J. Maier, M. Knaup, T. Koenig, K. Hörndler, and M. Ka-
cc chelrieß. Learned digital subtraction angiography (Deep DSA): Method and application to lower extremities. *15th International Meeting on Fully Three-Dimensional Image Reconstruction*, June 2019
- [8] **Elias Eulig**, J. Maier, N. R. Bennett, , M. Knaup, K. Hörndler, A. Wang,
cc and M. Kachelrieß. Deep Learning-Aided CBCT Image Reconstruction of Interventional Material from Four X-Ray Projections. *SPIE Medical imaging: Physics of medical imaging.*, February 2020