

Conference Agenda

Session

SES-07: Reconstruction, Algorithms and Optimization II

Time: Thursday, 06/Feb/2025: 1:30pm - 3:10pm

Presentations

Uncertainty quantification of CT regularized reconstruction within the Bayesian framework

Negin Khoeniha, Patricio Guerrero Prado, Wim dewulf

KU Leuven, Belgium

Volumetric Denoising of XCT Data Using Quantum Computing

Anastasia Papadaki, Thomas Lang, Kilian Dremel, Dimitri Prjamkov, Markus Firsching, Mareike Weule, Stefan Kasperl, Theobald OJ Fuchs

Fraunhofer Institute of Integrated Circuits IIS, Division Development Center X-ray Technology, Flugplatzstraße 75, 90768 Fürth, Germany

Differentiable Few-view CT-Reconstruction for Arbitrary CT-Trajectories including Prior Knowledge

Linda-Sophie Schneider^{1,2}, Adrian Waldyra², Yipeng Sun^{1,2}, Andreas Maier^{1,2}

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Segmentation of a CFRP weave structure for material characterization and simulation

Benedikt Boos, Kevin Chen, Martin Gurka

Leibniz-Institute for Composite Materials, Germany

Learning-Based Image Restorations of Sparse-View CT Data: Is It Reliable?

Philip Maurice Trapp^{1,2}, Elias Eulig^{1,3}, Joscha Maier¹, Frederic Ballach², Raoul Christoph², Ralf Christoph², Marc Kachelrieß^{1,3}

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