Conference Agenda

Session

SES-06: Reconstruction, Algorithms and Optimization I Time: Thursday, 06/Feb/2025: 10:50am - 12:30pm

Presentations

From Uncertainty to Calibration: Online Pose Estimation of an Industrial Twin Robotic Computed Tomography System with Unknown Fiducials

Niklas Handke¹, Yiqun Q. Ma², Anton Weiss¹, Simon Wittl¹, Gabriel Herl¹

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Surface fitting of geometric defects in CT scans of lattice structures Dorian BICHET^{1,2}, Robin BOUCLIER^{1,2}, Jean-Charles PASSIEUX², Jean-Noël PERIE²

¹Institut de Mathématiques de Toulouse, France; ²Institut Clément Ader, France

Compensating Sparse-view Inline Computed Tomography Artifacts with Neural Representation and Incremental Forward-Backward Network Architecture

Manuel Buchfink¹, Faizan Ahmad¹, Guangpu Yang¹, Charles Clark¹, Ahmed Baraka², Xingyu Liu¹, Sven Simon¹

Department of Computational Imaging Systems, ITI, University of Stuttgart, Germany; ²RWTH Aachen University, Campus-Boulevard 30, 52074 Aachen, Germany

Improving CT reconstructions of multi-material assemblies by multi-position data fusion: a case study Javier Sánchez Prieto, Filippo Zanini, Simone Carmignato

University of Padova, Italy

An Adaptive View Selection Algorithm for Practical Cone-Beam CT Reconstruction

Jingsong Lin¹, Singanallur Venkatakrishnan², Obaidullah Rahman², Gregery Buzzard¹, Amirkoushyar Ziabari², Charles Bouman¹

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