

HiGraphics 2023

Vortragsprogramm



Mittwoch, 08.02.23

19:00 Uhr - 20:15 Uhr

Learning

Nils Wandel (Uni Bonn)

Physics-Driven Deep-Learning

Yawar Siddiqui (TU München)

Panoptic Lifting for 3D Scene Understanding

Vahid Babaei (MPII Saarbrücken)

Uncertainty aware inversion of neural networks

Max Piochowiak (KIT Karlsruhe)

Neighborhood-based Compression for Segmented Volume Rendering

Benjamin Russig (TU Dresden)

On-Tube Attribute Visualization for Multivariate Trajectory Data

Moritz Heinemann (Uni Stuttgart)

Power Overwhelming: Quantifying the Energy Cost of Visualisation

20:30 Uhr - 21:45 Uhr

Visualization

Sonntag, 05.02.23

19:00 Uhr - 19:50 Uhr

Wolfgang Strasser
Memorial Lecture

Elmar Eisemann (TU Delft)

Shedding Light on Data

20:05 Uhr - 21:45 Uhr

Video & Animation

Colin Groth (TU Braunschweig)

Wavelet-Based Fast Decoding of 360° Videos

Navami Kairanda (MPII Saarbrücken)

Monocular 4D Reconstruction with a Physics-based Deformation Model

Sascha Fricke (TU Braunschweig)

Doing Computer Generated Holography and other Wavy Things in a Modular Framework

Ömercan Yazici (Uni Saarbrücken)

Glare Analysis on the GPU

Optic Effects

Montag, 06.02.23

19:00 Uhr - 20:15 Uhr

Modeling

Julius Nehring-Wirxel (RWTH Aachen)

EMBER: Exact Mesh Booleans via Efficient & Robust Local Arrangements

Aneja Shivangi (TU München)

ClipFace: Text Guided Editing of Textured 3D Morphable Models

Gregor Kobsik (RWTH Aachen)

Learning 3D Shape Generation with Autoregressive Transformers on Octree Sequences

20:30 Uhr - 21:45 Uhr

People & Faces

Rishabh Dabral (MPII Saarbrücken)

Towards Physically Plausible Conditional Human Motion Synthesis

Marc Habermann (MPII Saarbrücken)

Real-time Human Performance Capture and Synthesis

Simon Giebenhain (TU München)

Learning Neural Parametric Head Models

Dienstag, 07.02.23

19:00 Uhr - 20:15 Uhr

Global Illumination

Alexander Rath (DFKI Saarbrücken)

EARS: Efficiency-Aware Russian Roulette and Splitting

Addis Dittebrandt (KIT Karlsruhe)

Stochastic Subsets for BVH Construction

Pascal Grittmann (Uni Saarbrücken)

Efficiency-aware multiple importance sampling

20:30 Uhr - 21:45 Uhr

Rendering

Nikolai Hofmann (FAU Erlangen)

Volume Rendering and Denoising

Arne Rak (TU Darmstadt)

Combined Rendering of NeRFs and Meshes

Holger Heidrich (Uni Tübingen)

Differentiable Volumetric Rendering for Semantic Scene Understanding