

HiGraphics 2022

Vortragsprogramm



Mittwoch, 23.03.22

19:00 Uhr - 20:25 Uhr

Machine Learning

Gleb Tkachev (Uni Stuttgart)

Machine Learning Applications in Scientific Visualization

Yinyu Nie (TU München)

Holistic 3D Scene Understanding from Images, Point Clouds and Human Activities

Yujin Chen (TU München)

Contrastive Learning with Dynamic Correspondences for 3D Scene Understanding

20:40 Uhr - 22:05 Uhr

Rendering & Animation

Alexander Rath (DFKI)

Variance-Aware Path Guiding

Guy Gafni (TU München)

NeRF for Animating Human Faces

Philippe Weier (Uni Saarbrücken)

Optimised Path Space Regularisation

Sonntag, 20.03.22

19:00 Uhr - 19:45 Uhr

Wolfgang Strasser
Memorial Lecture

Matthias Nießner (TU München)

The Revolution of Neural Rendering

20:00 Uhr - 21:55 Uhr

Virtual Reality

Colin Groth (TU Braunschweig)

Reducing cybersickness in VR

Christoph Schröder (Uni Bremen)

Dynamic Disparity Adjustment to Avoid Stereo Window Violations in Stationary Stereoscopic Displays

Cedrique Fotsing (TU Cottbus)

Image inpainting

Images & Design

Vahid Babaei (MPII Saarbrücken)

Data driven computational design

Montag, 21.03.22

19:00 Uhr - 20:25 Uhr

Shape & Appearance

Marc Kassubeck (TU Braunschweig)

Shape Estimation from Caustic Images

Manuel Dahnert (TU München)

3D Reconstruction and Scene Representations

Hua Qingqin (Uni Saarbrücken)

Compact Representation for Fluorescent Spectral Data

J.P. Tauscher (TU Braunschweig)

EEG-based Analysis of the Impact of Familiarity in the Perception of Deepfake Videos

Leslie Wöhler (TU Braunschweig)

Understanding Perceptual Differences between Genuine and Face-Swapped Videos

Volker Knauth (TU Darmstadt)

Specular Reflection and Transparency as Cues in Human Perception

20:40 Uhr - 22:05 Uhr

Perception & Compression

Dienstag, 22.03.22

19:00 Uhr - 20:25 Uhr

Applications & Misc.

Darius Rückert (FAU Erlangen)

Solving Tomography using Computer Graphics

Daniel Klötzl (Uni Stuttgart)

Bilinear Computation of Jacobi Sets

Moritz Fuchs (TU Darmstadt)

Detecting out-of-distribution artifacts in medical imaging

20:40 Uhr - 22:05 Uhr

Acquisition

Tristan Wirth (TU Darmstadt)

Fitness of General Purpose Monocular Depth Estimation Architectures for Transparent Structures

Angela Dai (TU München)

Learning to Generate 3D Scenes from Imperfect Data

Maximilian vom Bülow (TU Darmstadt)

High precision scanning system for steel specimen