

HiGraphics 2017

Vortragsprogramm



Samstag, 18.03.17

19:00 Uhr - 20:15 Uhr

Misc.

Dominik Penk (Uni Erlangen)

Multiframe Optical Flow Analysis

Alexander Straub (Uni Stuttgart)

Visual Analysis of Interface Deformation in Multiphase Flow

Benjamin Keinert (Uni Erlangen)

Building low cost remote controlled first-person view quadcopters from commodity hardware

Timo von Marcard (Uni Hannover)

Sparse Inertial Poser: Automatic 3D Human Pose Estimation from Sparse IMUs

Justus Thies (Uni Erlangen)

FaceVR: Facial Reenactment in VR

Jörn Teuber (Uni Bremen)

Algorithms for Autonomous Surgical Lamps

20:30 Uhr - 21:45 Uhr

VR/AR II

Mittwoch, 15.03.17

19:00 Uhr - 19:30 Uhr

Wolfgang Strasser
Memorial Lecture

Andreas Schilling (Uni Tübingen)

Wolfgang Strasser – In Memoriam

19:45 Uhr - 21:30 Uhr

Rendering

Tamas Szep (KIT Karlsruhe)

Practical software occlusion culling with dynamic occluder selection

Sebastian Herholz (Uni Tübingen)

Product Importance Sampling for Light Transport Path Guiding

Dennis Bubenberger (Uni Tübingen)

Multiview Vector Graphics

Thomas Leimkühler (MPII Saarbrücken)

Minimal Warping

Donnerstag, 16.03.17

19:00 Uhr - 20:15 Uhr

VR/AR I

Jan-Philipp Tauscher (TU Braunschweig)

EEG Analysis of the Perception of Computer-Generated Faces

Stefan Guthe (TU Darmstadt)

How Human am I? EEG-based Evaluation of Computer-Generated Virtual Characters

Patrick Lange (Uni Bremen)

Virtual Testbeds: Massively Parallel Simulation-based Optimization

20:30 Uhr - 21:45 Uhr

Geometry

Anne Gehre (RWTH Aachen)

Geodesic Iso-Curve Signature

Pawel Herman (KIT Karlsruhe)

From a Closed Triangle Mesh to a C1 Surface using Projective Structures

Manish Mandad (RWTH Aachen)

Variance-Minimizing Transport Plans for Inter-Surface Mapping

Freitag, 17.03.17

19:00 Uhr - 20:15 Uhr

Reconstruction

Manuel Lange (Uni Tübingen)

Line Segment based Efficient Large Scale Stereo Matching

Thiemo Alldieck (TU Braunschweig)

Optical Flow-based 3D Human Motion Estimation from Monocular Video

Denis Sumin (MPII Saarbrücken)

Appearance reproduction with translucent materials used in fabrication

20:30 Uhr - 22:00 Uhr

Animation & Simulation

Petrissa Zell (Uni Hannover)

Physics-based models for human motion analysis

Markus Huber (Uni Stuttgart)

Cloth Animation Retrieval Using a Motion-shape Signature

Michal Piovračí (Uni Saarbrücken)

An Interaction-Aware, Perceptual Model for Non-Linear Elastic Objects