

HiGraphics 2016

Vortragsprogramm



Samstag, 19.03.16

19:00 Uhr - 20:15 Uhr

Rendering & Stereo

Helge Rhodin (MPII Saarbrücken)

Ray tracing for computer vision

Katharina Schwarz (Uni Tübingen)

Rotoscoping on Stereoscopic Images and Video

Hauke Rehfeld (KIT Karlsruhe)

Lightcut Interpolation

20:30 Uhr - 21:45 Uhr

Image & Video

Abhimitra Meka (MPII Saarbrücken)

Intrinsic Video Decomposition

Bastian Wandt (Uni Hannover)

3D Human Motion Capture from Monocular Image Sequences

Thiemo Alldieck (TU Braunschweig)

Outlook: Comprehensive Human Performance Capture from Monocular Video Footage

Mittwoch, 16.03.16

19:00 Uhr - 20:15 Uhr

Wolfgang Strasser
Memorial Lecture

Thomas Ertl (Uni Stuttgart)

Wolfgang Strasser – In Memoriam

20:30 Uhr - 21:45 Uhr

Simulation

Stefan Reinhardt (HDM Stuttgart)

Evaluation of Surface Tension Models for SPH-Based Fluidanimation Using a Benchmark Test

Max-Gerd Retzlaff (KIT Karlsruhe)

Synthetic Image Acquisition and Procedural Modeling for Automated Optical Inspection

Robin Tomcin (RWTH Aachen)

Efficient Enforcement of Hard Articulation Constraints in the Presence of Closed Loops and Contacts (entfallen)

Donnerstag, 17.03.16

19:00 Uhr - 20:15 Uhr

Capturing Reality

Fabian Langguth (TU Darmstadt)

MVE – A Multi-View Reconstruction Environment

Peter Collienne (RWTH Aachen)

OpenSlicer – A GPU based approach for slicing geometry into 3D-Printer GCODE

Matthias Innmann (Uni Erlangen)

VolumeDeform: Real-time Non-rigid 3D Reconstruction

20:30 Uhr - 21:45 Uhr

Modeling

Max Lyon (RWTH Aachen)

Hexahedral Mesh Extraction

Lena Gieseke (Uni Stuttgart)

Decorative Procedural Ornament

Renjie Chen (MPII Saarbrücken)

Bounded distortion harmonic map on the plane

Freitag, 18.03.16

19:00 Uhr - 20:15 Uhr

Geometry &
Visualization

Oliver Burghard (Uni Bonn)

Conformal Point Descriptors for Near-Isometric Global Shape Matching

Christoph Schulz (Uni Stuttgart)

Probabilistic Graph Layout: Visualizing Uncertain Networks

Marc Dokter (MPII Saarbrücken)

Operator Graph Scheduling for Procedural Generation (entfallen)

20:30 Uhr - 22:00 Uhr

Perception

Michael Stengel (TU Braunschweig)

An Affordable Solution for Binocular Eye Tracking and Calibration in Head-mounted Displays

Petr Kellnhofer (MPII Saarbrücken)

Modeling luminance perception at absolute threshold

Susanna Castillo Alejandre (TU Cottbus)

Characterizing the Spatiotemporal Structure of Facial Expressions (entfallen)