

# HiGraphics 2018

Vortragsprogramm



**Samstag, 17.03.18**

**19:00 Uhr - 20:15 Uhr**

VR/AR II

**Patric Schmitz (RWTH Aachen)**

Measuring the Impact of Redirected Walking Techniques on User Immersion

**Philipp Kurth (Uni Erlangen)**

Automatic Projector to Tracking Calibration

**Christoph Schröder (Universität Bremen)**

DynCam: A Reactive Multithreaded Pipeline Library for 3D Telepresence in VR

**Jozef Hladky (MPII Saarbrücken)**

Real-time Potentially Visible Set for Streaming Rendering

**Tobias Zirr (KIT Karlsruhe)**

Reweighting Firefly Samples for Improved MC Estimates

**Sebastian Herholz (Uni Tübingen)**

A Visual Analytics Approach to Physically-Based Rendering

**20:30 Uhr - 21:45 Uhr**

Rendering

**Mittwoch, 14.03.18**

**19:00 Uhr - 19:30 Uhr**

Wolfgang Strasser  
Memorial Lecture

**Werner Purgathofer (TU Wien)**

Wolfgang Strasser – In Memoriam

**19:45 Uhr - 21:25 Uhr**

Image & Video

**Abhimitra Meka (Uni Saarbrücken)**

Learning to estimate material parameters from image intrinsics

**Bastian Wandt (Uni Hannover)**

Texture Synthesis for Video Coding

**Franziska Müller (MPII Saarbrücken)**

GANerated Hands for Real-Time 3D Hand Tracking from Monocular RGB

VR/AR I

**Benjamin Keinert (Uni Erlangen)**

Faster first-person view micro quadcopters

**Donnerstag, 15.03.18**

**19:00 Uhr - 20:15 Uhr**

Appearance

**Katharina Legde (TU Cottbus)**

AgeRegression – Rejuvenating 3D Facial Scans

**Jean-Paul Tauscher (TU Braunschweig)**

Comparative analysis of three different modalities for perception of artifacts in videos

**Denis Sumin (MPII Saarbrücken)**

Appearance reproduction with translucent materials used in fabrication

**20:30 Uhr - 21:45 Uhr**

Global Illumination

**Pascal Grittmann (Uni Saarbrücken)**

Efficient Rendering of Caustic Effects

**Alexander Lier (Uni Erlangen)**

A High-Resolution Compression Scheme for Ray-Tracing Subdivision-Surfaces with Displacement

**Gurprit Singh (MPII Saarbrücken)**

Fourier domain analysis of Variance for Monte Carlo Integration

**Freitag, 16.03.18**

**19:00 Uhr - 20:15 Uhr**

Reconstruction

**Nico Schertler (TU Dresden)**

Online Surface Reconstruction

**Darius Rückert (Uni Erlangen)**

Interactive Multi-View Stereo Reconstruction

**Thiemo Alldieck (TU Braunschweig)**

Video Based Reconstruction of 3D People Models

**20:30 Uhr - 21:45 Uhr**

Geometry Processing

**Anne Gehre (RWTH Aachen)**

Feature Curve Co-Completion in Noisy Data

**Pawel Hermann (KIT Karlsruhe)**

Constructing Hyperbolic Structures for Parametrizing High-Genus Surfaces

**Javor Kalojanov (RWTH Aachen)**

Data-Driven Synthesis of Shapes Assembled from Tiles