

# HiGraphics 2013

Vortragsprogramm



**Montag, 18.03.13**

19:00 Uhr - 20:15 Uhr

Rendering II

**Jan Novak (Karlsruhe):**

Virtual Ray Lights for Rendering Scenes with Participating Media

**Oskar Elek (MPI Saarbrücken):**

Interactive Rendering of Light Scattering with Principal Ordinates Propagation

**Jan Kretschmer (Erlangen):**

Extended Sweep Surfaces for Vascular Modelling

20:30 Uhr - 22:10 Uhr

Computer Vision II

**Florian Baumann (Hannover):**

Boosting-based object detectors in real life

**Fabian Langgut (Darmstadt):**

Guided Capturing of Multi-view Stereo Datasets

**Kai Ruhl (Braunschweig):**

Improving Dense Image Correspondence Estimation with Approximate Auxiliary Hints

**Lorenz Rogge (Braunschweig):**

Garment Replacement in Monocular Video Sequences

**Freitag, 15.03.13**

19:00 Uhr - 20:15 Uhr

Rendering I

**Magdalena Prus (Erlangen):**

LOD for Global Illumination

**Martin Schmidt (Bayreuth):**

Optimizing GPU-based global illumination

**Anton Kaplanyan (Karlsruhe):**

Path Space Regularization for Holistic and Robust Light Transport

20:30 Uhr - 21:45 Uhr

Computer Vision I

**Mate Beljan (Darmstadt):**

Consensus Multi-view Photometric Stereo

**Oleg Lobachev (Bayreuth):**

Optimizing Multiple Camera Positions for the Deflectometric Measurement of Multiple Varying Targets

**Sebastian Koch (Stuttgart):**

A Mobile Projector Camera System for Structured Light Scanning

## Samstag, 16.03.13

19:00 Uhr - 20:15 Uhr

Geometry Processing

**Tim Reiner (Karlsruhe):**

Interactive Modeling and Caching of Implicit Surfaces

**Silke Jansen (MPI Saarbrücken):**

Graphical Models for Object Detection in large 3d Geometry

**Thomas Neumann (Braunschweig):**

Capturing, Modeling and Editing (Muscle) Deformations

20:30 Uhr - 21:45 Uhr

Image & Video Processing

**Susana Castillo (Cottbus):**

Image Retargeting

**Matthias Reso (Hannover):**

Temporally consistent superpixels

**Maryam Mustafa (Braunschweig):**

EEG Analysis of Implicit Visual Perception

## Sonntag, 17.03.13

19:00 Uhr - 20:15 Uhr

Virtual & Augmented Reality

**David Mainzer (Clausthal):**

Collision Detection on GPU's Based on Fuzzy Clustering

**Helge Rhodin (MPI Saarbrücken)**

Interactive control of virtual characters in a hidden space

**Christian Siegl (Erlangen):**

Real-time Collision Detection for Dynamic Hardware Tessellated Objects

20:30 Uhr - 21:45 Uhr

Visualization

**Joanna Czajkowska (Siegen):**

Model based 3-D bone tumors segmentation procedure in MR images

**Oliver Klehm (MPI Saarbrücken):**

Volume Stylizer: Tomography-based Volume Painting

**Martin Falk (Stuttgart):**

Atomistic Visualization of Mesoscopic Whole-Cell Simulations