

## Symposium on Visualization

The Venetian Macao Meeting Room Naples 2603, Level 1

Wednesday, 07 December 2016

9:00 – 9:10

### **Opening Speech on Symposium on Visualization**

By Wei Chen, Zhejiang University & Daniel Weiskopf, University of Stuttgart

9:10 – 10:10

### **Invited Talk 1: Visual Computing and Analysis of Complex Systems**

By Eduard Gröller, Institute of Computer Graphics and Algorithms TU Wien

Chair: Wei Chen

10:10 – 10:30

### **Invited Industry Talk: The Visualization Analysis Application in Big Data Industry**

By Yicun Feng, HYDATA

Chair: Wei Chen

10:30 – 10:50

Coffee Break

14:15 – 15:35

### **Full Papers Session 1: Multivariate Data, Sequences & Shapes**

Chair: Eduard Gröller

- Privacy Preserving Event Sequence Data Visualization using a Sankey Diagram-like Representation
- Visual Exploration of Multiway Dependencies in Multivariate Data
- Visualizing the Central Tendency of Ensembles of Shapes

15:35 – 15:55

Coffee Break

15:55 – 17:15

### **Full Papers Session 2: Visual Analytics**

Chair: Shixia Liu

- A Visual Analytics Design for Studying Crowd Movement Rhythms from Public Transportation Data
- A Discrete Morse-based Approach to Multivariate Data Analysis
- Hexagonal Gridded Maps and Information Layers: a Novel Approach for the Exploration and Analysis of Retail Data

**Thursday, 08 December 2016**

9:00 – 10:00

**Invited Talk 2: Urban Big Data Visualization and Analysis**

By Xiaoru Yuan, Peking University

Chair: Daniel Weiskopf

10:00 – 10:20

Coffee Break

10:20 – 11:40

**Full Papers Session 3: Volume Rendering**

Chair: Yingcai Wu

- Real-Time Performance Prediction and Tuning for Interactive Volume Raycasting
- Volume Rendering Dark Matter Simulations Using Cell Projection and Order-Independent Transparency
- Evaluating the Perception of Semi-Transparent Structures in Direct Volume Rendering Techniques

11:40 – 13:00

**Full Papers Session 4: Video & Presentation**

Chair: Xiaoru Yuan

- VideoForest: Interactive Visual Summarization of Video Streams Based on Danmu Data
- Animated Narrative Visualization for Video Clickstream Data
- HoloStation: Augmented Visualization and Presentation

14:15 – 16:00

**Full Papers Session 5: Vectors & Tensors**

Chair: Daniel Weiskopf

- A Surrogate Visualization Model Using the Tensor Train Format
- Peeling the Flow: A Sketch-Based Interface to Generate Stream Surfaces
- FluxE: Exploring Flux in Astrophysical Simulations
- Deferred Vector Map Visualization

16:00 – 16:15

**Closing Speech and Presentation of Awards for Symposium on Visualization**

By Wei Chen, Zhejiang University & Daniel Weiskopf, University of Stuttgart