

## Preliminary program

State: Feb 16<sup>th</sup>, 2009

### Tuesday, March 3<sup>rd</sup>

#### 13:30 Opening Session

##### Welcome

Jochen Schiewe (HafenCity University Hamburg)

##### “Fast Forward”: Introduction of all presentations

Jason Dykes (City University London)

#### 14:30 | Session 1 | Chair: Jason Dykes

##### Imagine Tomorrow, Today

Rolf Kemmling (Autodesk)

##### WebGIS for urban information management - Hamburg's approach for integrating WebGIS in E- government infrastructures

Sascha Tegtmeier (State Enterprise Geoinformation and  
Surveying of the Free and Hanseatic City of Hamburg)

#### 15:00 | Coffee Break

#### 15:30 | Session 2 | Chair: Jason Dykes

##### Employing Design Patterns for Geovisualization

Larissa Pschetz, Tina-Deiml-Seibt, Christian Behrens &  
Frank Heidmann (University of Applied Sciences  
Potsdam)

##### Augmented Reality and Urban GIS: towards closing the loop between acquisition and visualization of geographical data

Guillaume Moreau (Ecole Centrale de Nantes)

##### SUBVISION: Mixed Reality Visualization and Monitoring of Hidden Infrastructures in Urban Environments

Volker Paelke (Leibniz University of Hannover)

#### 16:15 | Coffee Break

#### 16:45 | Session 3 | Chair: Georg Gartner

##### A High-Resolution Representation of n-Dimensional Geographic Space

André Skupin & Aude Esperbé (San Diego State  
University)

##### Describing the space and place of digital cities through volunteered geographic information

Ross Purves, Jason Dykes, Alistair Edwardes, Livia  
Hollenstein, David Mueller & Jo Wood (University of  
Zurich / City University London)

##### Virtual Cities 2.0: Generating web-based 3D city models and landscapes based on free and user generated data (OpenStreetMap)

N. Neubauer, M. Over, A. Schilling, A. Zipf (University of  
Bonn)

#### 17:30 | Short break

#### 17:45 | Session 4 | Chair: Georg Gartner

##### Exploration and visualisation of information in the historic 3D city model of Solothurn

Susanne Bleisch, Andreas Barmettler & Stephan Nebiker  
(University of Applied Sciences Northwestern  
Switzerland)

##### Inventing a University City: Visualizing Planning and Politics in Umea, 1950-1975

Rolf Hugoson & Fredrik Palm (Umeå University)

##### Integrating uncertainty information into the process of visual change analysis based on remotely sensed scenes

Jochen Schiewe & Anna-Lena Kornfeld (HafenCity  
University Hamburg)

#### 18:30 | Icebreaker Party

**Wednesday, March 4<sup>th</sup>**

**8:45 | Session 5 | Chair: Jochen Schiewe**

**Virtual 3D City Models as Computation Tools**  
Jürgen Döllner (University of Potsdam)

**The Level of Abstraction, Information Density and Storage Capacity for 3D City Model Visualizations**  
M. Jahnke, J.M. Krisp, L. Meng (Technical University of Munich)

**Towards Integrating Feature Surface Properties into 3D GIS**  
Haik Lorenz & Jürgen Döllner (University of Potsdam)

**Google Earth based visualization of Dutch land use change scenario studies**  
R. van Lammeren, M. Hilferink, M. van Beek, A. Bergsma, B.van Bommel & A. Bouman (Wageningen University)

**9:45 | Coffee break**

**10:15 | Session 6 | Chair: Jochen Schiewe**

**Analysing and Mapping Crime Data using three-dimensional Geovirtual Urban Environments**  
Markus Wolff & Hartmut Asche (University of Potsdam)

**From Global Consequences to Local Responsibility in Energy Consumption and Consumer Behaviour**  
Lars Bodum & Erik Kjems (Aalborg University)

**Visualization of Human Space Appropriation in Urban Public Parks**  
Frank Ostermann (University of Zurich)

**11:00 | Short break**

**11:15 | Session 7 | Chair: Gennady Andrienko**

**Exploration and analysis of digital footprints through interactive visualization**  
Ayman Moghnieh, Fabien Girardin, David Lu, Carlo Ratti & Josep Blat (MIT; Universitat Pompeu Fabra)

**The cartographic visualization of urban sounds**  
Anna-Lena Kornfeld (HafenCity University Hamburg)

**Representation of thermal numeric information on three-dimensional building facades**  
Holger Kumke (Technical University of Munich)

**12:00 | Short break**

**12:15 | Panel discussion | Chair: Gennady Andrienko**

**“Success stories and challenging problems of geospatial visual analytics”**: First results of EU project “Vizmaster”

**13:00 | Lunch break**

**14:30 | Session 8 | Chair: Jürgen Döllner**

**Visualization of three-dimensional GIS objects using rapid prototyping**  
Wolf-Dieter Rase (German Federal Research Institute for Building, Urban and Regional Planning)

**Introducing level of detail to 3D thematic maps**  
Billur Engin (Koc University), Selim Balcisoy & Burcin Bozkaya (both Sabanci University)

**Information Aggregation: Automatized Construction of Chorematic Diagrams**  
Andreas Reimer (Humboldt University Berlin) & Doris Dransch (German Research Centre for Geosciences)

**15:15 | Departure for supporting program**

Thursday, March 5<sup>th</sup>

8:45 | Session 9 | Chair: Ekkehard Matthias

**Procedural Facade Textures for 3D City Models**

Jürgen Bogdahn & Volker Coors (University of Applied Sciences, Stuttgart)

**Smart point clouds in virtual globes - a new paradigm in city modeling?**

Stephan Nebiker, Martin Christen & Susanne Bleisch (University of Applied Sciences Northwestern Switzerland)

**Building a Visual Summary of Multiple Trajectories**

Natalia Andrienko & Gennady Andrienko (Fraunhofer Institute IAIS)

**Georeferencing Objects in Geographic Reference Interface for Internet Networks**

Jan Kolar & Wan Wen (Aalborg University)

9:45 | Coffee break

10:15 | Session 10 | Chair: Menno-Jan Kraak

**Impact of restricted display size on spatial knowledge acquisition in the context of pedestrian navigation**

Georg Gartner (Vienna University of Technology)

**The influence of dimension, abstraction level, and map orientation on generic process and perception of cartographic products of urban areas**

Christian Dette (Martin-Luther-University Halle-Wittenberg)

**Interactive Focus+Context Visualization of spatiotemporal urban data models**

Alexandre Carvalho, A. Augusto Sousa, Cristina Ribeiro, Emilia Costa, Wagner Francim (University of Porto)

11:00 | Short break

11:15 | Session 11 | Chair: Menno-Jan Kraak

**The Role of Layout and Order in Treemaps for Showing Spatial and Temporal Variation in House Prices**

Aidan Slingsby, Jason Dykes, Jo Wood & Andrew Crooks (City University London; University College London)

**Integration and Visualization of dynamic Sensor Data into 3D Spatial Data Infrastructures in a standardized way**

Christian Mayer & Alexander Zipf (University of Bonn)

**Potentials and Challenges of Service-Oriented 3D Geovisualization**

Dieter Hildebrandt & Jürgen Döllner (University of Potsdam)

12:00 | Lunch break

13:15 | Session 12 | Chair: Jason Dykes

**Analytical Visualization Framework - a visual data processing and knowledge discovery system**

Ivan Denisovich & Serge Shumilov (University of Bonn)

**Adapting and Extending Cartographic Methodology for Accessing and Presenting Multidimensional Geodata Related to Settled Areas**

Lorenz Hurni (ETH Zurich)

**The national atlas in a world of change – design questions**

Menno-Jan Kraak (International Institute for Geo-Information Science and Earth Observation)

14:00 | Panel discussion | Chairs: J. Dykes & J. Schiewe

**“GeoViz and Digital City”**: Discussion of key issues in geovisualization and the digital city and generation of ideas for introduction to CEUS special issue

15:00 | Farewell drink