



Workshop location: Room 301 in the Lecture Hall (Hörsaal) of TU Dresden, Bergstraße 64, 01069 Dresden, Germany (directions/map can be found at: <http://www.icc2013.org/?node=40>)

Participants and contributors MUST register for the workshop through the conference registration site: <http://www.icc2013.org/?node=9> (go to “Start registration”)

Final programme

Friday 23 August 2013

12:00 – 13:30 Registration (in room 01 on the ground floor of the Lecture Hall) and lunch (in room 304)

13:30 – 14:10 **Session 1 – Questions to the experts (Chair: Sara Fabrikant)**

How can eye-tracking help to understand the process of search and pattern recognition in animated maps?, *Sarah Battersby*, University of South Carolina, USA

How can eye-tracking complement a distributed, web-based testing environment (MUTEP)?, *Petr Kubíček et al.*, Masaryk University, Czech Republic

14:10 – 15:10 **Session 2 – Case studies, applications and questions (Chair: Natalia Andrienko)**

Color distance on maps, *Alžběta Brychtová et al.*, Palacký University in Olomouc, Czech Republic

Digital maps and their users, *Kristien Ooms et al.*, Ghent University, Belgium

Extracting information from animations and text: a comparison, *Chris Pettit*, University of Melbourne, Australia

15:10 – 15:40 Tea break

15:40 – 17:00 **Session 3 – Case studies, applications and questions (continued) (Chair: Kristien Ooms)**

Perception of 2D and 3D Terrain Visualization, *Stanislav Popelka & Alžběta Brychtová*,
Palacký University in Olomouc, Czech Republic

The influence of applied cartographic methods on the map information perception:
quantification for various groups of users, *Alena Vondráková*, Palacký University in
Olomouc, Czech Republic

Analysing Rapid Serial Visual Presentation (RSVP) designs by their Eye-gaze properties,
Mark Witkowski & Robert Spence, Imperial College London, UK

The use of eye tracking in landscape perception research, *Lien Dupont*, University of
Ghent, Belgium

Saturday 24 August 2013

09:00-12:00 **Presentations and demonstrations of eye-tracking equipment from different manufacturers (Session Chair: Corné van Elzakker).**

We have asked all invited manufacturers to address a set of questions we developed to help in evaluating the pros and cons of different systems for different applications.

Vendors who confirmed their presence:

- Tobii Eye Tracking Research, Sweden - *Peter Reuter*
- SensoMotoric Instruments (SMI), Germany – *Gilbert van Cauwenberg*
- Ergoneers, Germany – *Christian Lange*
- SR Research, Canada – *Sam Hutton*
- Interactive Minds Dresden, Germany – *Stefan Wiedemann*
- A home-made, 10 bucks eye tracking system, *Adam Berces & Török Zsolt Győző*, Eötvös Loránd University, Hungary

12:00 – 13:00 Lunch

13:00 – 15:00 **Session 4 – Eye movement data analysis (Chair: Gennady Andrienko)**

Method choosing model for eye tracking, *Tanja Blascheck*, University of Stuttgart, Germany

Automatically Detecting Route Plans With Eye Tracking: A Case For Gaze Map Matching, *Peter Kiefer et al.*, ETH Zürich, Switzerland

The use of GIS tools for analysing eye-movement data, *Tomasz Opach & Jan Ketil Rød*, Norwegian University of Science and Technology, Norway

Eye tracking of dynamic stimuli, *Kuno Kurzhals*, University of Stuttgart, Germany

Using EyeMMV Toolbox for eye movement analysis in cartographic experiments, *Vassilios Krassanakis*, National Technical University of Athens, Greece

15:00 – 15:30 Tea break

15:30 – 16:00 Demonstration of eye tracking data analysis software, *Natalia Andrienko*, Fraunhofer Institute IAIS, Germany

16:00 – 16:40 **Session 5 – Interpretation and cognition (Chair: Amy Griffin)**

Gaze behaviour during a challenging visual search task, *James Mardell et al.*, Imperial College London, UK

A Cognitive Perspective on the Order of Identifying Land Use/Cover Classes During Aerial Image Interpretation, *Michael Hodgson*, University of South Carolina, USA

16:40 – 17:00 **Round up and lessons learnt (Chair: Sara Fabrikant)**