

ICA Workshop Programme Zurich 2010

Saturday 11 Sept 2010

20:00 Ice-Breaker Dinner

Sunday 12 Sept

9:15-9:45 Registration (100CHF to be given cash to organisers for payment of meals)

9:45-10:00 Welcome and introduction of participants

10:00 – 10:40 **Invited talk: Generalisation in INSPIRE**

Katalin Toth or Julien Gaffuri, JRC

10:40-11:10 Coffee Break

11:10-12:10 **Session 1: Generalisation in Practice: Softwares, Map products ... 1/2**

- EuroSDR research on state-of-the-art of automated generalisation
Jantien Stoter, Blanca Baella , Connie Blok , Dirk Burghardt , Cecile Duchene , Maria Pla , Nicolas Regnaud
Guillaume Touya.
- The Generalization of the Canadian Landmass: A Federal Perspective
Daniel Pilon , Alexandre Beaulieu and Nouri Sabo.
- User-directed generalization of roads and buildings for multi-scale cartography
Edith Punt and David Watkins.

12:10-14:00 LUNCH

14:00-15:00 **Session 2: Methods and constraints for generalisation**

- A generic approach for simplification of ground plan
Hongchao Fan and Liqiu Meng .
- Ant Colony Optimization Applied to Map Generalization
Nigel Richards and Mark Ware.
- Towards constraint formulation for chorematic schematisation tasks - work in progress
Andreas Reimer and Joachim Fohringer.

15:00-16:00 **Session 3: Evaluation of generalization quality**

- Analytical estimation of map legibility
Hanna Stigmar, Lars Harrie and Milan Djordjevic.
- City Model Generalization Similarity Measurement using Nested Structure of Earth Mover's Distance
Bo Mao, Hongchao Fan, Lars Harrie, Yifang Ban and Liqiu Meng.
- Automated Metric Assessment of Hydrographic Feature Generalization Through Bootstrapping
Lawrence Stanislawski , Barbara Buttenfield and V.A. Samaranyake.

16:00-16:30 Coffee Break

16:30-18:00 **Brain storming in small groups** + Summary of groups in plenary

19.00 Dinner

Monday 13 Sept

9:00 – 9:40 **Invited talk: Outcomes from GDI'2010 (Generalisation and Data Integration Symposium in Boulder)**
Barbara Buttenflied, University of Colorado

9.40-10:20 **Session 4: Generalisation in Practice: Softwares, Map products ... 2**

- Implementation of Comprehensive Modeling Techniques on KARTOGEN Generalization Software
Özlem Simav , Serdar Aslan , Bülent Çetinkaya and Osman Nuri Çobankaya .
- A new platform for generalisation research: CartAGen
Jérémy Renard , Julien Gaffuri and Cécile Duchêne.

10:20:10h40 **Session 5: Browsing semantics for generalisation**

- Linked Data – A Multiple Representation Database at Web Scale?
Stefan Hahmann and Dirk Burghardt .
- Semantics Matters: Cognitively Plausible Delineation of City Centres from Point of Interest Data
Patrick Lüscher and Robert Weibel .

10.40-11.10: Coffee Break

11:10-12:30 **Demo Session**

12:30-14:00 LUNCH

14:00-15:00 **Session 6: Data enrichment and partitioning for generalisation**

- Relevant Space Partioning for Collaborative Generalisation
Guillaume Touya.
- Generating Strokes of Road Networks Based on Pattern Recognition
Xuechen Luan and Bisheng Yang.
- Data enrichment for road generalization through analysis of morphology in the CARGEN project
Sandro Savino, Massimo Rumor, Matteo Zanon and Igor Lissandron.

15:00-15:40 **Session 7: Generalisation for mobile**

- Generalisation of point data for mobile devices: A problem-oriented approach
Pia Bereuter and Robert Weibel .
- Mobile map generalization approach considering user locational context
Jie Shen, Junfei Shi and Yi Long.

15:40-16:10 Coffee Break

16:10-17:10 Round table: past and future

- Introduction: From past generalisation workshops to future works on the field
Dirk Burghardt
- Discussions on future of generalisation

17:10-17:30 Summary and Future events

Tuesday 14 Sept 2010

Social event (walking tour near Zurich, to be confirmed)

NB: other workshops of GIScience are organised the same day