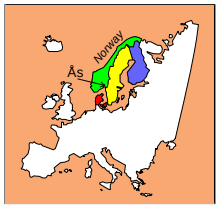
Conference Programme

ScanGIS '2007



THE 11th SCANDINAVIAN RESEARCH CONFERENCE ON GEOGRAPHICAL INFORMATION SCIENCE

Wednesday September 5, 2007		
11:00 – 12:00	**Registration** **Coffee**	
12:00 – 12:15	**Opening session** Chair: Jan T. Bjørke	**Welcome** Head of Department of Mathematical Sciences and Technology, UMB, professor Vidar Thue-Hansen
12:15 – 13:50	Session 1 **SYSTEM DESIGN AND STANDARDIZATION** Chair: Terje Midtbø	
12:15-12:45	Erik Stubkjær **(R)** The Cluster Enterprise of Real Property Business	
12:45-13:05	Sang, N and Aalders, I **(E)** OISIN – Optimised inventorying of soil (spatial) information networks	
13:05-13:25	Lars Aksel Opsahl and Knut Bjørkelo **(E)** To use or not to use Open Source software: A comparison of strategies for development of robust geoprocessing services	
13:25-13:45	Bård Romstad, Carl B. Harbitz, Ulrik Domaas and Lars H. Blikra **(E)** Lakes at risk: A bottom-up approach to rock slide hazard assessment	
13:45-13:50	**Discussion**	
13:50 – 14:20	**Coffee break**	

Wednesday September 5, 2007	
14:20 – 16:00	Session 2 **DATA MANAGEMENT** Chair: Hans Hauska
14:20 – 14:50	Jan T. Bjørke, Morten Hæger, Knut Landmark and Stein Nilsen **(R)** A concept for creating, storing, updating and delivering variable resolution terrain models
14:50-15:20	Jukka Rahkonen and Kimmo Lahtinen **(R)** Automatic procedure for accurate and seamless reprojection of raster images from the Finnish KKJ coordinate system to ETRS-TM35FIN
15:20-15:40	Morten Tranekjær Jensen and Henning Sten Hansen **(E)** Spatial modelling of emissions from residential wood combustion
15:40-16:00	Knut Bjørkelo and Håvard Tveite **(E)** Managing the national AR5 dataset in a loosely coupled distributed heterogenous database environment
16:00-19:00	**Tour Oslofjorden, meal will be served on board.** The meal is not included in the ordinary registration fee and requires an extra payment.

Thursday September 6, 2007	
08:30 – 09:00	**Registration** Coffee
09:00 – 10:50	Session 3 **MAP PERCEPTION AND VISUALIZATION** Chair: Henning Sten Hansen
09:00-09:30	Terje Midtbø, Keith C. Clarke and Sara I. Fabrikant **(R)** Human interaction with animated maps: The portrayal of the passage of time
09:30-10:00	Jan Terje Bjørke and Kjetil Sæheim **(R)** Investigation of the channel capacity of seafloor maps with coloured depth intervals
10:00-10:20	Åsa Ode and Neil Sang **(E)** The influence of vision on calculations of experienced based landscape indicators
10:20-10:50	Thomas Porathe **(R)** A 3-D Nautical GIS targeting cognitive off-loading and decision making
10:50-11:00	**Break**
11:00-12:00	**Session 4 VISUALIZATION** Chair: Yifang Ban
11:00-11:30	Lasse Møller-Jensen **(R)** Spatial narratives from mobile GIS - the case of H.C. Andersen in Copenhagen
11:30-12:00	Jan Ketil Rød and Diana van der Meer **(R)** Visibility and dominance analysis: Assessing a high building project in Trondheim
12:00 – 13:00	**Lunch**

Thursday September 6, 2007		
13:00 – 14:20	Session 5 **GENERALIZATION AND DATA ANALYSIS** Chair: Bjørn Hermansen	
13:00-13:20	Jan Ketil Rød and Halvard Buhaug **(E)** Civil wars: Prospects and problems with the use of local indicators	
13:20-13:50	Trond Nordvik and Terje Midtbø **(R)** Application of data reduction methods in dynamic TIN models to topographic LIDAR data	
13:50-14:20	Gustaf Svedjemo and Erland Jungert **(R)** Example applications of historical maps in GIS and databases	
14:20 – 14:50	**Coffee break**	
14:50– 16:00	Session 6 **DATA MINING AND MAP PROJECTIONS** Chair: Håvard Tveite	
14:50-15:10	Svein Olav Krøgli, Bernd Etzelmüller and Henning Dypvik **(E)** Automatic and semi-automatic detection of possible meteorite impact structures in the Fennoscandian shield using pattern recognition of spatial data	
15:10-15:30	Misganu Debella-Gilo, Bernd Etzelmuller and Ove Klakegg **(E)** Digital soil mapping using digital terrain analysis and statistical modeling integrated into GIS: Examples from Vestfold County of Norway	
15:30-16:00	Yury Huryeu and Uladzimir Padshyvalau **(R)** Automated design of coordinate system for long linear objects	
16:00-17:00	**Poster session**	**Business meeting programme committee**
19:00-22:00	**Dinner**	

Friday September 7, 2007	
08:30 - 09:00	**Registration** **Coffee**
09:00-09:45	Session 7 **KEYNOTE ADDRESS** Chair: Jan Terje Bjørke **Gaute Einevoll: Computational neuroscience and vision** Gaute Einevoll is a Professor of Physics at UMB. The research field is computational neuroscience. He is invited to give a talk on computational neuroscience and possible applications of this research to the interaction between computers and vision.
09:45 - 10:00	**Break**
10:00 – 11:00	Session 8 **CHANGE DETECTION AND ANALYZIS** Chair: Bernd Etzelmüller
10:00-10:30	Henning Sten Hansen **(R)** LUCIA – A tool for land use change impact analysis
10:30-10:50	Maryna Rymasheuskaya **(E)** Land cover change detection in northern Belarus
10:50-11:10	Liang Gao and Qiming Zeng **(E)** Terrain deformation monitoring in three Gorges area using permanent scatterers SAR interferometry
11:10-11:30	Yifang Ban and Kazi Ishtiak Ahmed **(E)** Multitemporal ENVISAT ASAR Data for Land-Cover Mapping and Change Detection in the Toronto Area
11:30 – 11:55	**Closing session** Chair: Jan Terje Bjørke
12:00-13:00	**Farewell lunch**