

social events

Ice Breaker Party

Tuesday, 27 Jan, 7 pm, Gusshausstr. 27-29, 6th floor, "Kontaktraum"
Meet colleagues in an informal atmosphere, drinks provided.
This event is **included** in the registration fee.

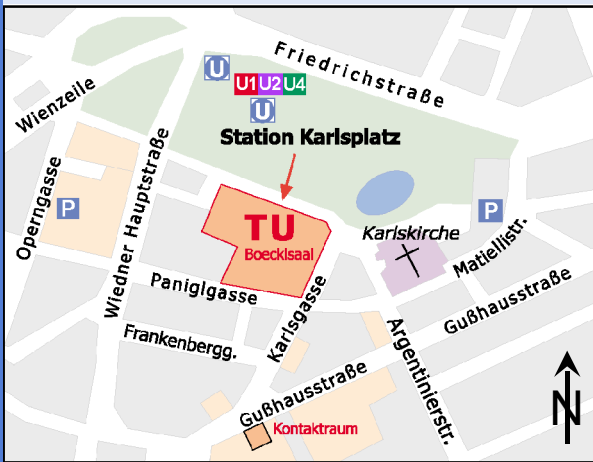
Symposium "Heuriger" (Wine Cellar)

Wednesday, 28 Jan, 7.30 pm.
Wine and Heurigen Buffet. Enjoy a typical Viennese institution visiting one of the original Wine Cellars. This event is **included** in the registration fee.

Ball der Technik (Ball of the University of Technology)

Thursday, 29 Jan, 8:30 pm, Hofburg.
Join one of Vienna's most famous winter events: Spend a night dancing in the imperial ambience of the Hofburg. Bring your partner! **Tickets:** Special discount prices available for participants who preregister for the event.

symposium venue



Symposium venue is the "Boecklsaal" at the Main Building of the Vienna University of Technology, Karlsplatz 13, 1st floor, main staircase. (Metro U1, U2, U4, Station "Karlsplatz")

Parking space available only at public parking garages:

Öpark Karlsplatz, Matiellistraße
5 EURO/2 hrs

Wipark Operngasse, Operngasse
2,60 EURO/ hr

accomodation

For hotel booking refer to the symposium webpage or contact the following:
 YH Kolpingheim (12-15 €, no breakfast) Wien Tourismus, A - 1025 Wien
 ***Hotel-Pension Shermin (DR 66-86 €) Tel: +43 1 21114 444
 ***Hotel Theresianum (DR 125 €) Fax: +43 1 21114 445
 ****Hotel Johann Strauß (DR 145-159 €) info.wien.at/hotels/index.html

registration & fees

Please send your registration form before 9th of January 2004 to the Department of Cartography and Geomeia Technique, Gusshausstr.30, A-1040 Vienna, by e-mail ikgeom@mail.ikgeom.tuwien.ac.at or fax +4315880112699 or use the registration form www.ikgeom.tuwien.ac.at/symposium2004 on our webpage. **Registration fee is 90 €** (to be paid cash at the registration desk). This includes full proceedings, Ice Breaker Party and Wine Bar. **Students: registration fee is 20 €**, proceedings 20 €, Wine Bar 16 €. Ticket reservation for "Ball der Technik": please mark the corresponding box on the form.

2nd
Symposium
on
Location
Based
Services
& TeleCartography



Vienna University of Technology
28 - 29 January 2004



Institute of Cartography and Geomeia Technique
ICA Commission on Maps and the Internet



<http://www.ikgeom.tuwien.ac.at/symposium2004>



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program | wednesday january 28

opening session

09:00 - 09:15 Representatives of the TU Vienna (P. Skalicky) and the ICA (M.P. Peterson, M. Konecny) welcome

09:20 - 10:00 M. Wood, Past-President of the ICA
keynote LBS and TeleCartography: The Evolution Continues

telecartography (1)

chair: g. gartner

10:00 - 10:20 D. Fairbairn, N. Erharuyi / Univ. Newcastle, UK
Adaptive Techniques for Delivery of Spatial Data to Mobile Devices

10:20 - 10:40 T. Reichenbacher, D. Töllner / TU Munich, Germany
Implementation of an Adaptive Mobile Geovisualisation Web Service

10:40 - 11:00 Coffeebreak

11:00 - 11:20 E.D. Goulimis, M. Spanaki, L. Tsoulos / TU Athens, Greece
Context-Based Cartographic Display on Mobile Devices

11:20 - 11:40 D. Burghardt, A. Edwardes, R. Weibel / Univ. Zurich, Switzerland
An Architecture for Automatic Generalisation of Mobile Maps

11:40 - 12:00 G. Gartner, S. Uhlirz / TU Vienna, Austria
Cartographic Considerations on Developing Map-Based LBS Discussion

12:20 - 14:00 Lunchbreak

telecartography (2)

chair: w. cartwright

14:00 - 14:20 A. Klippel, K.-F. Richter / Univ. Bremen, Germany
Chorematic Focus Maps

14:20 - 14:40 T. Kolbe / Univ. Bonn
Augmented Panoramas and Videos for Pedestrian Navigation

14:40 - 15:00 G. Reitmayr, D. Schmalstieg / TU Vienna, Austria
Collaborative Augmented Reality for Outdoor Navigation and Information

15:00 - 15:20 J. Döllner / Univ. Potsdam, Germany
Nonphotorealistic 3D City Models and their Applications in Mobile Communication

15:20 - 15:40 **Discussion**

15:40 - 16:00 Coffeebreak

usability

chair: m.p. peterson

16:00 - 16:20 A. Zipf, M. Jöst / FH Mainz, Germany
User Expectations and Preferences Regarding Location Based Services (LBS) - Results from an Empirical Survey

16:20 - 16:40 K. Urquhart, S. Miller, P. Benda, W. Cartwright / RMIT, Australia
A Qualitative Research Approach to Designing Useful Geospatial Applications for Mobile Devices

16:40 - 17:00 L.Sarjakoski, A.Nivala, M.Hämäläinen / Finnish Geodetic Inst., Finland
Improving the Usability of Mobile Maps by Means of Adaptation

17:00 - 17:20 W. Cartwright / RMIT, Australia
Privacy, Web Map Access and User Confidence

17:20 - 17:40 **Discussion**

program | thursday january 29

positioning

chair: s. uhlirz

09:00 - 09:20 C. Tiberius / TU Delft, The Netherlands
Combined GPS-Galileo Positioning for Location Based Services in Urban Environment

09:20 - 09:40 S. Zlatanova, E. Verbree / TU Delft, The Netherlands
Alternative Positioning for Location Based Services

09:40 - 10:00 M. Kopczynski / Univ. Hannover, Germany
Localisation with Sketch Based Input

10:00 - 10:20 E. Reisinger / Siemens, Austria
Standard-API for Positioning in Telecommunication Networks

10:20 - 10:40 **Discussion**

10:40 - 11:00 Coffeebreak

LBS & navigation

chair: d. fairbairn

11:00 - 11:20 M. Uhlirz, J. Kindler / Nokia Networks, Austria
Concepts for LBS - 1000 days after the hype

11:20 - 11:40 L. Lehto, T. Sarjakoski / Finnish Geodetic Inst., Finland
An XML-based Service Architecture for Mobile Cartographic Applications

11:40 - 12:00 M. Hampe, B. Elias / Univ. Hannover, Germany
Integrating Topographic Information and Landmarks for Mobile Navigation

12:00 - 12:20 S. Timpf / Univ. Zurich, Switzerland
Timely Presentation of Route Related Information

12:20 - 12:40 G. Gartner, A. Frank, G. Retscher / TU Vienna, Austria
NAVIO - Pedestrian Navigation System for mixed Indoor/Outdoor Environment

12:40 - 13:00 **Discussion**

13:00 - 14:30 Lunchbreak

applications

chair: c. van elzakker

14:30 - 14:50 P. M. Luley, A. Almer, M. & H. Eder / Joanneum Research, Austria
Geo-Data Presentation on Mobile Devices for Tourism Applic.

14:50 - 15:10 M. P. Peterson, J. Wedel / Univ. Omaha, USA, FH Karlsruhe, Ger.
Flight Tracking and Potential Cell Phones Applications

15:10 - 15:30 G. Csemez, T. Prajczar, L. Zentai / Univ. Budapest, Hungary
Obstacles Free Mapping Services

15:30 - 15:50 B. Köbben / ITC Enschede, The Netherlands
RIMapper - A Test Bed for Online Risk Indicator Maps Using Data-Driven SVG Visualisation

15:50 - 16:10 Coffeebreak

16:10 - 16:30 R.Leiner, A. Zipf / FH Mainz, Germany
A Mobile GIS Based Flood Warning and Information System

16:30 - 16:50 S. Karlich / Siemens, Austria
Innovative Applications Demonstrated in the OPIUM Project

16:50 - 17:10 J. Clements / TelMap, Israel
Dynamic Off-Board and Hybrid Navigation Systems in a Rapidly Developing Mobile Market

17:10 - 17:30 **Discussion, Observations and Outlook**

