

program | wednesday january 28

opening session

- 09:00 - 09:15 Representatives of the ICA (M.P. Peterson, M. Konecny), Institute of Cartography (G. Gartner) and TU Vienna (P. Skalicky) welcome
- 09:15 - 10:00 M. Wood, Past-President of the ICA keynote

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

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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 H. 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: a. zipf

- 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. Wendel / 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 O. Nissim / TelMap, Israel
Dynamic Off-Board and Hybrid Navigation Systems in a Rapidly Developing Mobile Market
- 17:10 - 17:30 Discussion

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.

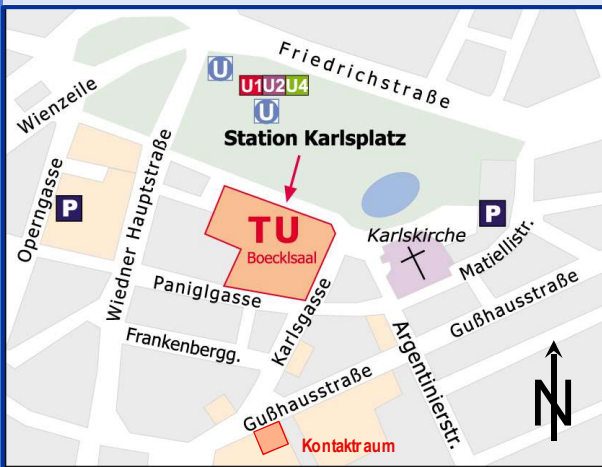
Symposium "Heuriger" (Wine Bar)

Wednesday, 28 Jan, 7 pm.
Wine and Heurigen Buffet. Enjoy a typical Viennese institution visiting one of the original Wine Bars. 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 Main Building of the Vienna University of Technology, Karlsplatz 13. (with Metro U1, U2, U4, Station Karlsplatz.)

The Boecklsaal is situated on the 1st floor (main staircase).

Parking space available at public parking garages:

Öpark Karlsplatz, Matiellistr. 5 EURO/2 hrs

Wipark Operngasse, Operng. 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 & fee

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 at the registration desk). This includes full proceedings, Ice Breaker Party and Wine Bar. **Students: registration free**, 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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