Opening Session
Representatives of the ICA (M.P. Peterson, M. Konecny), Institute of Cartography (G. Gartner) and TU Vienna (P. Skalicky)

M. Wood, Past-President of the ICA

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 Coffee Break

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

12:00 - 12:20 Discussion

12:20 - 14:00 Lunch Break

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 Coffee Break

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

Positioning
Chair: S. Uhlirz

11:00 - 11:20 C. Tiberius / TU Delft, The Netherlands
Combined GPS-Galileo Positioning for Location Based Services in Urban Environment

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 - 13:00 Lunch Break

LBS & Navigation
Chair: D. Fairbairn

13:00 - 14:30

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.

Flight Tracking and Potential Cell Phones Applications

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 Coffee Break

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 Boecksaal 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:

***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 Geomedia 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.

Vienna University of Technology
28 - 29 January 2004

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

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