

Submission of Papers

High-quality papers in English covering one or more of the workshop topics should be e-mailed as a PDF file for a double peer review process to one of the conference chairmen or to

e-mail: cmrt05@bv.tu-muenchen.de

The maximum number of pages is 6. The names and affiliations of the authors should not appear in this version of the manuscript as it will be directly submitted to the double blind peer review process. Please provide author name(s) and affiliation(s) separately in the e-mail message.

These full papers should be prepared according to the ISPRS guidelines for preparing manuscripts:

www.isprs.org/documents/orangebook/app5.html

Authors will be notified by e-mail. Accepted papers have to be mailed as camera-ready manuscripts in PDF format to the following address:

e-mail: cmrt05@bv.tu-muenchen.de

Proceedings and Author Registration:

The proceedings will appear as a Volume of the International Archives of Photogrammetry, Remote Sensing and the Spatial Information Sciences. Authors have to be registered before July 1 to warrant publication of their paper in the proceedings.

Important Dates:

| | | | |
|-----------------------------|--------------|------------|-------------|
| Full paper due date: | April | 22, | 2005 |
| Notification of acceptance: | June | 1, | 2005 |
| Camera-ready manuscripts: | July | 1, | 2005 |
| Registration of authors: | July | 1, | 2005 |

For up-to-date information about the Conference visit our website:

<http://www.gmat.unsw.edu.au/wgiii4/ws05>

Contact Information

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URL: <http://www.gmat.unsw.edu.au/wgiii4/ws05>

First Announcement and Call for Papers

Joint Workshop of ISPRS and DAGM

CMRT05

**Object Extraction for 3D City
Models, Road Databases and
Traffic Monitoring -
Concepts, Algorithms, and
Evaluation**

August 29–30, 2005

Vienna, Austria

<http://www.gmat.unsw.edu.au/wgiii4/ws05>

Organized by



Institute of Photogrammetry and
Remote Sensing,
Vienna University of Technology
Institute of Photogrammetry and
Cartography, TU Munich



Co-sponsored by



ISPRS Working Group III / 4
ISPRS Working Group III / 5
ISPRS Working Group IV / 8

German Association for Pattern
Recognition (DAGM e.V.)

Conference Programme

Scope:

Automated extraction of topographic objects from remotely sensed data is an important topic of research in both Photogrammetry and Computer Vision. This joint workshop of the ISPRS and the German Association of Pattern Recognition (DAGM), held at Vienna University of Technology, will bring together researchers from both communities to present and discuss recent developments, the potential of various data sources, and future trends both with respect to sensors and processing techniques in automatic object extraction. The workshop is held in conjunction with the annual meeting of the DAGM and precedes that event.

Workshop Topics:

- Building and road extraction from aerial and space-borne images
- Building & road extraction from LIDAR & SAR
- Updating of existing 3D city models and road data bases
- Detection and velocity estimation of vehicles from remote sensing data
- Methods for micro- and macro-scale traffic monitoring
- Detection and modelling of vegetation classes and single trees
- Level-of-detail modelling of topographic objects
- Data fusion for automatic object extraction
- Integration of terrestrial images and laser scanner data for city modeling
- Quality assessment of automatically extracted topographic objects
- Large-scale mobile mapping for monitoring disasters
- Image extraction for automatic texturing of 3D city models

Conference Venue

The workshop will be held in the "Geodetic Lecture Theatre" ("Hörsaal für Geodäten") in the third floor of the "New Electrotechnical Institute Building" ("Neues EI") at Vienna University of Technology, right in the centre of the City of Vienna.

Address:

Gußhausstraße 27-29
A-1040 Vienna, Austria

For a site map with information about public transport see:

www.wegweiser.ac.at/static/plaene/gif/E_UP.gif

For further information and hotel booking, the web site of the Vienna Tourist Board can be accessed at: <http://info.wien.at/>

Keynote Speaker:

Wolfgang Förstner (University of Bonn)

Scientific Committee:

- Peggy Agouris (University of Maine)
- Hans-Erik Andersen (University of Washington)
- Andrea G. Fabbri (Free University Amsterdam)
- Wolfgang Förstner (University of Bonn)
- Paolo Gamba (University of Pavia)
- Christoph Gierull (Defence R&D Canada)
- Norbert Haala (University of Stuttgart)
- Stefan Hinz (Technical University of Munich)
- Jonathan Li (Ryerson University Toronto)
- Helmut Mayer (Bundeswehr University Munich)
- Theo Moons (Catholic University of Brussels)
- Franz Rottensteiner (University of New South Wales)
- Michel Roux (ENST Paris)
- Uwe Stilla (Technical University of Munich)
- Chunsun Zhang (CRC-SI, Melbourne)
- Sisi Zlatanova (Technical University of Delft)

Registration Form CMRT05:

Workshop 'Object Extraction for 3D City Models, Road Databases and Traffic Monitoring'

Vienna, August 29-30, 2005

First Name: _____ Title: _____

Last Name: _____

Organization: _____

Address: _____

Post code, City: _____

Country: _____

Tel.: _____

Fax: _____

E-mail: _____

Registration Fee:

Full Delegate (paper copy and CD of the proceedings, conference dinner, coffee breaks)

after July 1, 2005 **215 Euro**

before July 1, 2005 **180 Euro**

Student (no paper copy) (Please, attach copy of student proof and supervisor's confirmation that you don't hold a university position)

after July 1, 2005 **110 Euro**

before July 1, 2005 **90 Euro**

Payment may be made by credit card:

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