

CMRT13

ISPRS Workshop

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

First Announcement and Call for Papers

Date: November 12-13, 2013

Location: Antalya, Turkey

<http://www.cmrt13.tum.de>

Organised by

- ISPRS WG III/4 ‘3D scene analysis’
- ISPRS ICWG III/VII ‘Pattern Analysis in Remote Sensing’

Conference Chairs:

Uwe Stilla (Technische Universitaet Muenchen, TUM)
Franz Rottensteiner (Leibniz University Hannover, LUH)
Stefan Hinz (Karlsruhe Institute of Technology, KIT)

Scope:

Automated extraction of topographic objects and vehicles from remotely sensed data is an important topic of research in Photogrammetry, Remote Sensing, GIS, and Computer Vision. This joint conference of ISPRS working groups III/4 and III/VII, sequel to the successful CMRT conferences that took place in Vienna and Paris in 2005 and 2009, respectively, will bring together experts from these fields to 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 focus of the conference is on methodological research.

The workshop is held in parallel with the ISPRS Laserscanning conference and in conjunction with the ISPRS 2013 joint meeting on ‘Serving Society with Geoinformatics’.

Workshop topics:

- Building and road extraction from aerial and space-borne images, LIDAR, and SAR
- Updating of existing 3D city models and road data bases
- Automatic texturing of 3D city models
- Image interpretation for façade modelling
- 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
- Techniques and models for analysing complex urban scenes
- Level-of-detail modelling of topographic objects
- Data fusion for automatic object extraction
- Quality assessment of automatically extracted topographic objects

Paper Submission:

High-quality papers covering one or more of the above topics should be submitted electronically using the conference tool on the conference web site.

Deadline for the submission of full papers is June 15, 2013.

The papers should be prepared according to the ISPRS guidelines for preparing manuscripts (<http://www.isprs.org/documents/orangebook/app5.aspx>) and should not exceed 6 pages in length. All papers will be submitted to a double blind peer review process. Notification of acceptance will occur by August 19, 2013.

The proceedings will appear as a Volume of the Annals of Photogrammetry, Remote Sensing and the Spatial Information Sciences. Provided acceptance by the referees, the camera-ready papers have to be submitted in PDF format by August 31, 2013. Authors have to be registered by August 31 to warrant publication of their paper in the proceedings.

Preliminary programme committee

Markus Gerke, University of Twente/ITC, Enschede, The Netherlands

Stefan Hinz, University of Karlsruhe, Germany

Ludwig Hoegner, Technische Universitaet Muenchen, Germany

Franz Rottensteiner, Leibniz University Hannover, Germany

Jie Shan, Purdue University, USA

Gunho Sohn, York University, Canada

Uwe Stilla, Technische Universitaet Muenchen, Germany

Jan-Dirk Wegner, Swiss Federal Institute, Zurich, Switzerland

Michael Ying Yang, Leibniz University Hannover, Germany

(Others are to be announced)

Important dates:

Submission of full papers	June 15, 2013
Notification of authors	August 19, 2013
Submission of camera ready manuscripts	August 31, 2013
Registration of authors	August 31, 2013
Early registration deadline	September 15, 2013

Registration:

The registration fee will be announced soon. There will be a joint registration fee for attending both the CMRT13 and the laserscanning workshops, and a reduced fee for persons who also want to participate in the ISPRS 2013 joint meeting on 'Serving Society with Geoinformatics'. The deadline for early bird registration is September 15, 2013. There will be a joint registration system for both the workshops and the joint meeting on 'Serving Society with Geoinformatics'. A conference tool for registration will be made available soon on the WWW site of joint meeting on 'Serving Society with Geoinformatics'.

Further Information:

For further information see the WWW site of the conference: <http://www.cmrt13.tum.de>

WWW site of the ISPRS Workshop on Laserscanning:

<http://www.cirgeo.unipd.it/laserscanning2013>

WWW site of the ISPRS 2013 joint meeting on 'Serving Society with Geoinformatics' (will host the registration system): <http://www.ISPRS2013-SSG.org>