

CMRT15

ISPRS Workshop

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

First Announcement and Call for Papers

Date: October 1 - 2, 2015

Location: La Grande Motte (Montpellier), France

Web site : <http://www.pf.bgu.tum.de/isprs/cmrt15/>

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, Paris and Antalya in 2005, 2009 and 2013, 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 a part of the ISPRS Geospatial Week 2015 and will be held in conjunction with several other ISPRS workshops. For a detailed list, please refer to the ISPRS Geospatial Week 2015 web site.

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
- Automatic interpretation of data acquired by mobile mapping systems
- Detection and velocity estimation of persons and vehicles from remote sensing or terrestrial 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

Organised by

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

Conference Chairs:

Uwe Stilla (Technische Universität München, TUM)
Franz Rottensteiner (Leibniz Universität Hannover, LUH)
Stefan Hinz (Karlsruhe Institute of Technology, KIT)

Preliminary programme committee

Markus Gerke, University of Twente/ITC, Enschede, The Netherlands
Stefan Hinz, Karlsruhe Institute of Technology, Germany
Ludwig Hoegner, Technische Universität München, Germany

Franz Rottensteiner, Leibniz Universität Hannover, Germany
Jie Shan, Purdue University, USA
Gunho Sohn, York University, Canada
Uwe Stilla, Technische Universität München, Germany
Jan-Dirk Wegner, ETH Zurich, Switzerland
(Others are to be announced)

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.

Authors may submit full papers or extended abstracts.

Authors focussing on methodological work are invited to submit full papers for a double-blind peer review process. 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 8 pages in length. Accepted papers will appear as a Volume of the Annals of Photogrammetry, Remote Sensing and the Spatial Information Sciences.

In addition, authors wishing to present application-oriented work may also submit extended abstracts (1000 words). The abstracts will be evaluated by the conference chairs. In case of acceptance, authors have to submit a full paper. These full papers will be published in the International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences.

The deadline for the submission of full papers or abstracts is April 15, 2015.
Notification of acceptance will occur by June 1, 2015.

Provided acceptance by the referees (in case of full paper submissions) or the conference chairs (in case of abstract submissions), the camera-ready papers have to be submitted in PDF format by July 1, 2015. Authors have to be registered by July 1, 2015 to warrant publication of their paper in the proceedings.

Important dates:

Submission of full papers	April 15, 2015
Notification of authors	June 1, 2015
Early registration deadline	June 15, 2015
Submission of camera ready manuscripts	July 1, 2015
Registration of authors	July 1, 2015

Main Conference:

CMRT will be a two day event in the course of the ISPRS Geospatial Week, which will take place in La Grande Motte between September 29 and October 3, 2015.

Registration:

There is a joint registration system for all events of the ISPRS Geospatial Week 2015. Participants can choose between three different packages (packages A, B, and C) and, depending on which package they choose, will have access to different events in the course of the ISPRS Geospatial Week. Details about registration packages and fees are available on the WWW site of the ISPRS Geospatial Week:

<http://www.isprs-geospatialweek2015.org/registration.html>

Further Information:

For further information see the WWW site of the conference:

www.pf.bgu.tum.de/isprs/cmrt15/

WWW site of the ISPRS Geospatial Week 2015: <http://www.isprs-geospatialweek2015.org/>