

# CMRT09

## ISPRS Workshop

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

#### First Announcement and Call for Papers

**Date:** September 3-4, 2009

**Location:** Paris, France

<http://cmrt09.ign.fr>

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#### **Organised by**

- ISPRS WG III/4 ‘Complex scene analysis and 3D reconstruction’
- ISPRS WG III/5 ‘Image sequence analysis’
- Institut Géographique National, Saint-Mandé, France
- Société Française de Photogrammétrie et de Télédétection

#### **Conference Chairs:**

Uwe Stilla (Technische Universität München; [stilla@bv.tum.de](mailto:stilla@bv.tum.de))

Franz Rottensteiner (Leibniz University Hannover; [rottensteiner@ipi.uni-hannover.de](mailto:rottensteiner@ipi.uni-hannover.de))

Nicolas Paparoditis (Institut Géographique National; [nicolas.paparoditis@ign.fr](mailto:nicolas.paparoditis@ign.fr))

#### **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/5, sequel to the successful CMRT05 conference that took place in Vienna, Austria, in 2005, 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 conjunction with ISPRS Laserscanning conference.

#### **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 March 31, 2009.

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 May 25, 2009.

The proceedings will appear as a Volume of the International Archives 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 30 June, 2009. Authors have to be registered by 30 June to warrant publication of their paper in the proceedings.

#### **Preliminary programme committee**

Caroline Baillard, SIRADEL, Rennes, France  
Claus Brenner, Leibniz University Hannover  
Mathias Butenuth, Technische Universität München, Germany  
Markus Gerke, ITC, Enschede, The Netherlands  
Chris Mc Glone, SAIC, Chantilly, VA, USA  
Norbert Haala, University of Stuttgart, Germany  
Stefan Hinz, University of Karlsruhe, Germany  
Helmut Mayer, University of the Armed Forces, Munich, Germany  
Nicolas Paparoditis, Institut Géographique National, Saint-Mandé, France  
Norbert Pfeifer, Vienna University of Technology, Austria  
Franz Rottensteiner, Leibniz University Hannover, Germany  
Michel Roux, TELECOM ParisTech, Paris  
Jie Shan, Purdue University, USA  
Gunho Sohn, York University, Canada  
Uwe Stilla, Technische Universität München, Germany  
Thomas Vögtle, University of Karlsruhe, Germany  
(Others are to be announced)

#### **Important dates:**

Submission of full papers	March 31, 2009
Notification of authors	May 25, 2009
Submission of camera ready manuscripts	June 30, 2009
Early registration deadline	July 15, 2009

#### **Registration:**

The registration fee will be announced soon. There will be a reduced fee for persons who want to attend both the CMRT09 and the laserscanning workshops. The deadline for early bird registration is July 15, 2009. Authors must register before June 30, 2009, to warrant publication of their paper in the proceedings. A conference tool for registration will be made available soon. Visit the WWW site of the conference for details.

#### **Further Information:**

For further information see the WWW site of the conference: <http://cmrt09.ign.fr>

WWW site of the ISPRS Workshop on Laserscanning: <http://laserscanning2009.ign.fr>