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Preface

Automated extraction of topographic objects from remotely sensed data is an important topic of research in Photogrammetry, Remote Sensing, GIS, and Computer Vision. This joint workshop on "Object Extraction for 3D City Models, Road Databases and Traffic Monitoring - Concepts, Algorithms and Evaluation (CMRT13)", organized by the ISPRS working groups III/4 and III/VII, discussed 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 lay on methodological research. It was held in Antalya, Turkey, in conjunction with the ISPRS workshop on Laser Scanning and the first ISPRS workshop on Image Sequence Analysis (ISA13), both of them embedded in the Joint-Commission Technical Meeting "Serving Society with Geomatics (SSG 2013)". CMRT13 follows the successful events under the same title held in Vienna, Austria (CMRT05) and in Paris, France (CMRT09). The International Association for Pattern Recognition (IAPR) endorsed CMRT 2013 for the first time.

The conference addressed researchers and practitioners from universities, research institutes, industry, government organizations, and private companies. The range of topics covered by the conference is reflected by the terms of reference of the cooperating ISPRS working groups:

· WG III/4   – 3D Scene Analysis
· ICWG III/VII – Pattern Analysis in Remote Sensing

Prospective authors were invited to submit full papers of a maximum length of 6 pages. We received 28 full papers for review. The submitted papers were subject to a rigorous double blind peer review process of full papers. Based on the reviews, 17 papers by authors coming from 10 countries were accepted. This corresponds to an acceptance rate of 61%. Each paper was reviewed at least by two members of the scientific committee. The accepted papers were published as volume II-3/W3 of the ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial information science. All accepted papers could be presented orally in a single track conference consisting of five oral sessions. In addition, the programme of CMRT13 featured a keynote by Dr. Nicolas Paparoditis from the French National Geographic Institute.

Finally, the editors wish to thank all contributing authors and the members of the Scientific Committee. In addition, we like to express our thanks to the Local Organising Committee of the Joint SSG 2013 conference, headed by Filiz Sunar, who takes care of the overall organization of the workshop. Ludwig Hoegner did a great job with the management of the conference web site. Last, but not least we would like to thank Katrin Krüger from Copernicus, who did not only help us in getting to know the Copernicus conference management system, but also prepared the proceedings and the final program of the conference.

Munich, Hannover and Karlsruhe, October 2013

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