Preface

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 brought together researchers from both communities to present and discuss recent developments, the potential of various data sources, and future trends with respect to both sensors and processing techniques in automatic object extraction. The workshop was held in conjunction with the annual meeting of the DAGM and preceded that event.

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 cooperating ISPRS working groups:

III/4: Automatic Image Interpretation for City-Modelling
III/5: Models and Algorithms for Road Extraction and Traffic Monitoring
IV/8: Spatial Data Integration for Emergency Services

We received 40 papers submitted by authors from 17 countries for review. The presented papers have undergone a rigorous double blind review process of full papers, with a rejection rate of 25%. In the "double blind" review process, the reviewers were not given the authors' names and the authors were not told who reviewed their paper. Each paper was reviewed by at least two members of the program committee. The proceedings include 30 papers prepared by authors from 12 countries. There were 6 oral sessions with altogether 18 papers and one interactive session where 12 papers were presented.

Finally, the editors wish to thank all contributing authors and the members of the program committee. In addition, we like to address our thanks to the local organising committee (Camillo Ressl, Petra Deschmann, and Sabine Zischinsky) without whom this event could not have taken place. The supporting staff in Vienna, Renate Adamle and Eva Berkes, did a great job in the background. At UNSW, Brian Donnelly was very helpful especially with the management of the web site. The final word processing of all manuscripts and preparation for publishing by Dominik Lenhart and Konrad Eder as well as the technical support during the conference by Hans Thüminger are gratefully acknowledged.

Munich and Vienna, August 2005

Uwe Stilla, Franz Rottensteiner, Stefan Hinz

Joint Workshop of ISPRS and DAGM

CMRT05

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

Vienna, Austria
August 29 – 30, 2005

Editors
U. Stilla, F. Rottensteiner, S. Hinz

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ISPRS WG III/4 – Automatic Image Interpretation for City-Modelling
ISPRS WG III/5 – Models and Algorithms for Road Extraction and Traffic Monitoring
ISPRS WG IV/8 – Spatial Data Integration for Emergency Services
German Association for Pattern Recognition (DAGM e.V.)

Cooperating ISPRS Working Groups
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