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Theme Issue
Extraction of Man-Made Objects from Aerial and Satellite Images

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Theme Issue

EXTRACTION OF MAN-MADE OBJECTS FROM AERIAL AND SATELLITE IMAGES

Edited by:

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Foreword

This theme issue of the *ISPRS Journal of Photogrammetry and Remote Sensing* contains a selection of articles to present some of the contributions and discussions that took place at the IAPR TC-7 Workshop 'Mapping Buildings, Roads and Other Man-Made Structures from Images', in Graz, Austria on 2–3 September 1996. The Technical Committee 7 (TC-7, 'Photogrammetry and Remote Sensing'), one among 12 committees of the International Association of Pattern Recognition (IAPR) is dedicated to the application of pattern recognition in remote sensing and mapping.

The topic of the workshop in general and of this theme issue in particular falls into the area of geo-data extraction, which is of great importance within various applications of database generation for mapping, GIS and the novel three-dimensional digital models of urban areas. The workshop covered three major topics: 'Algorithms and Methods', 'Detection of Buildings' and 'Extraction of Roads and Other Objects'. Twenty-two articles have been presented from authors from twelve countries. The proceedings of the workshop (350 pp.) were published by Oldenburg Verlag.

The purpose of this theme issue is to highlight some of the work presented at the workshop and to recapitulate methods and aspects of pattern recognition and their application in remote sensing and mapping. The manuscripts have been re-written by the authors and supplemented with recent results. The selection is intended to give a brief survey on the current state-of-the-art in this important and difficult subject of remote sensing.

The topic is of great interest for both the Computer Vision, and the Photogrammetric and Remote Sensing societies. Therefore, it is useful to publish important work from this relevant IAPR Workshop also through the official journal of the International Society for Photogrammetry and Remote Sensing.

The Guest-Editors sincerely hope that this theme issue will be well accepted and welcomed by the readers.

FRANZ LEBERL
(Chairman of IAPR TC-7, 1994–1996)
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(Guest-Editors)