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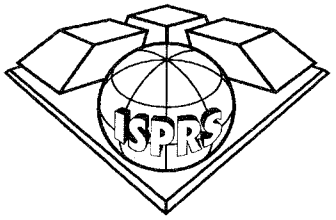

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Systems for Data Processing, Analysis and Representation

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ISPRS Commission II

Systems for Data Processing, Analysis and Representation

Foreword

During the period of 1992 - 1996 responsibility for Technical Commission II - Systems for Data Processing, Analysis and Representation - of the International Society for Photogrammetry and Remote Sensing resided with Geomatics Canada. Under the Commission, five Working Groups, one Inter-Commission Working Group and one Special Topic were active in promoting research and activities in the following areas:

* Real-time mapping technologies;
* Hardware and software aspects of GIS;
* Technologies for large volumes of spatial data;
* Systems for the processing of RADAR data;
* Integrated production systems;
* Digital photogrammetric systems; and
* Upgrading photogrammetric instruments.

Commission II held its Technical Symposium in Ottawa, Canada from June 6 - 10, 1994 in conjunction with the Sixth Canadian Conference on GIS. Under the theme "a Shared Vision", the meeting provided an excellent technical program that extended over a five-day period.

The recent past has demonstrated that our progress has been driven by advances in technology - GIS, soft-copy photogrammetry, remote sensing, GPS, and information technology (DBMS, communication and networking). It is clear that as technological advances continue they will have a major impact on how systems and information are applied to real world problems. An important aspect of such advances will be measured by degree of integration and communication between systems and data.

The following volume is dedicated to continuing the advancement of systems for data processing, analysis and representation. It represents the hard-work and research of many persons from many parts of the world, who collectively continue the ISPRS tradition of cooperative technological advancement and scientific achievement.

In closing, thanks is extended to all WG chairpersons, co-chairpersons and secretaries of Commission II, who have worked hard over the four years in preparation of the Vienna Congress. Special thanks is also made to our colleagues in the Geographic Information Systems and Service Division, Geomatics Canada.

Dr. Mosaad Allam
President, Commission II

Gordon Plunkett
Secretary, Commission II

Jeff Labonte
Co-secretary, Commission II

The International Archives of Photogrammetry and Remote Sensing
Volume XXXI, Part B2
ISPRS Commission II - Systems for Data Processing, Analysis and Representation

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