

PREFACE

The 3rd ISPRS Workshop on "Dynamic and Multi-Dimensional GIS" (DMGIS) is the continuation of DMGIS'97 in Hong Kong and DMGIS'99 in Beijing. It is unique in that it focuses on themes that would transform GIS from static modeling of two dimensions to dynamic modeling of multi-dimensions. Since the last International Workshop on DMGIS, organized by ISPRS Commission IV and held in Beijing in 1999, there have been numerous papers on this exciting topic published in journals and conference proceedings. The emerging theory and technology of DMGIS and its enormous potentials have attracted a great deal of attention in academic and industrial communities. We observed that a few new 3D systems have been developed every year and many 3D Cyber City Models have been generated through the developed techniques. It is the time for us to summarize the achievements so far find out the current problems, and map out the future development.

Geoinformatics is one of the major international forums for geographic information science and technology. It serves as the official annual conference for the Association for Chinese Professionals in Geographic Information Science (CPGIS). Geoinformatics covers a wide range of topics related to the research, application and education of GIS, remote sensing and GPS. Previous meetings had been held in Buffalo (1992), Beijing (1993, 1998), Calgary (1994), Hong Kong (1995), West Palm Beach (1996), Taipei (1997), Ann Arbor (1999), and Monterey (2000).

This joint workshop of Geoinformatics & DMGIS'2001 has provided a successful forum for researchers and professions over the world to discuss research topics, share their experience, and promote international collaboration in this field. The workshop has been approved by ISPRS Council and co-organized by six working groups of ISPRS, CPGIS, AIT and LIESMARS. About 80 papers were presented in the workshop and current front-line research topics were extensively discussed. During the workshop, ISPRS Council Meeting was also held in AIT and all ISPRS Council members have attended our workshop. Another joint meeting on "Geoinformatics New Terms" chaired by Prof. Yuying Li and Dr. Xiaoyong Chen, has also been held in our workshop time. From the workshop, we would like to make a new record for both the ISPRS DMGIS workshop series and CPGIS annual conferences. We believe that the volume will provide an excellent up-to-date overview on the theoretical methodologies and techniques on both Geoinformatics and DMGIS.

On behalf of the organization committee of Geoinformatics & DMGIS'2001, we first would like to thank all ISPRS Council members for their strong support and their time spent with us. Prof. John Trinder, President of ISPRS, has kindly accepted our invitation to present a welcome speech on the opening ceremony. Prof. Ian Dowman, Secretary General of ISPRS, has served as Chairperson of the International Steering Committee of our workshop and chaired the opening ceremony. We would like to thank Prof. Shunji Murai, the former president and honorary member of ISPRS, and Prof. Martien Molenaar, one of the most outstanding leading researchers on GIS theory, for their successful keynote speeches. We would also thank Prof. Jean-Louis Armand, President of AIT, Prof. M. T. Tabucanon, Provost of AIT, Prof. H.N. PHUEN, Dean of SAT of AIT, Dr. Kiyoshi HONDA, Director of ACRORS, for their support to host the workshop at AIT. In addition, we would like to thank Prof. Deren Li and Prof. Songbo Zhang from LIESMARS of China for their support. Finally, we would like to thank our local secretaries for their hard work for editing the proceedings and CD ROMs, creating and updating our Web pages and arranging meeting rooms. Special mention goes to Fenwen Bai, Jie Du, Do Minh Phuong, Teravudh Tipdech, Jianjun Zhang and Pan Zhu.

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Bangkok, May 2001