PREFACE

"**International Conference on Computer Graphics and Spatial Information System ' 2002**" was held in Beijing, China on August 6 – 8, 2002. The conference was sponsored by Institute of Geographical Sciences and Natural Resources Research, the Chinese Academy of Sciences; Peking University; Research Center for Eco-Environmental Science, the Chinese Academy of Sciences; Department of Agricultural Application, National Remote Sensing Center of China; Computer Application Commission of the Chinese Agriculture Society; Computer Graphics & CAD Commission of China Automation Society; Zhejiang University; City University of Hong Kong, China. It was undertaken by Institute of Geographical Sciences & Natural Resources Research of the Chinese Academy of Sciences and Peking University, and was supported by the National Natural Science Foundation of China.

The purpose of this conference is to provide a forum for presentation and discussion on the latest research achievements in the fields of Computer Graphics and Spatial Information System. It also aims at promoting inter-discipline development of above fields, and developing international cooperation. Research on Computer Graphics, especially on 3D visual graphics, not only represents the application level of nation's high technology, but also expands the depth and scope of high technology, which brings great changes for human life and economic development. The application of virtual reality technology for earth science brings revolution for scientific management of agriculture and research on earth science, which becomes an important part of modern high technology. The research and development for 3D spatial information system, remote sensing application, computer animation, and multi-media GIS, etc. promote the rapid development of Chinese and global precision agriculture. In order to promote inter-discipline R&D between Computer Graphics and Spatial Information System and their applications in earth science, agriculture, ecology, and environment science, etc. the conference will be held in every two years.

The conference accepted 152 pieces of papers altogether. Through the recommendation of the academic committee of the conference and the examination of the Editorial Committee of Chinese Geographical Science, 16 pieces of papers concerned with the applications of RS and GIS in geography will be published in Chinese Geographical Science as a special issue.

We hope this issue will be conducive to promoting inter-discipline development, academic exchange and international cooperation.

The Academic Committee of

"**International Conference on Computer Graphics and Spatial Information System '2002**"

The Editorial Committee of

Chinese Geographical Science

February 1, 2003