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IGU International Conference on Modelling Geographical Systems

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INTRODUCTION

The Joint International Conference on Theory, Data Handling and Modelling in GeoSpatial Information Science was held on May 26th to 28th 2010 in The Hong Kong Polytechnic University. This conference was organised by: Commission II of the International Society of Photogrammetry and Remote Sensing (ISPRS) and Commission of Geographic Information Science and Commission of Modelling Geographical Systems of the International Geographical Union (IGU). The conference joined together the Symposium of Technical Commission II of ISPRS, the Symposium on Spatial Data Handling and the conference on Modelling Geographical Systems from IGU.

ISPRS is a society regrouping scientific societies from more than 100 countries working in domains related to photogrammetry, remote sensing and geographical information science. 2010 will be a special year for the society as it will be celebrating its centenary anniversary. The ISPRS Technical Commission II Symposium is organised every four years alternately with the ISPRS Congress and is among the major events in ISPRS calendar regrouping leading scholars from the GISc and related communities. Last editions of the symposium were held in Ottawa, Canada (2002) and Vienna, Austria (2006) jointly with SDH.

The 14th International Symposium on Spatial Data Handling (SDH) is the premier biennial international research forum for Geospatial Information Science (GISc). It commenced in 1984, in Zurich, Switzerland and has been held in Seattle, USA; Sydney, Australia; Zurich, Switzerland; Charleston, USA; Edinburgh, UK; Delft, The Netherlands; Vancouver, Canada; Beijing, China; Ottawa, Canada; Leicester, UK; Vienna, Austria; and Montpellier, France.

The IGU Commission on Modelling Geographical Systems has been organising its conferences over the years on the modeling and analysis of geographical data and systems in different parts of the world. It is the first time that it joins hand with ISPRS and IGU Commission on Geographical Information Science to co-organise the conference to encourage interaction and collaboration among researchers and professionals in the three organisations.

These proceedings gather the papers presented during the conference including keynote addresses by renowned experts in the field of GeoSpatial Information Science and research papers organised in theme sessions.