

## Preface

The Remote Sensing and Hydrology Symposium was the third stand-alone meeting of the International Commission on Remote Sensing (ICRS) of IAHS; the first and second meetings were held in Santa Fe and Jackson Hole in the USA. The first and second International Conference of GIS/RS in Hydrology, Water Resources and Environment were held in Three Gorges and Guangzhou, China. These meetings were attended by many participants from all over the world, and selected papers were published in three earlier IAHS proceedings volumes (Red Books, IAHS Publs 267, 289 and 352). The 3rd Remote Sensing and Hydrology Symposium (RSHS'14) and the 3rd International Conference of GIS/RS in Hydrology, Water Resources and Environment (ICGRHWE'14) were held concurrently in Guangzhou, China in 2014.

The purposes of these conferences are to review and report the advances in GIS and Remote Sensing technologies and their applications in Hydrology, Water Resources and the Environment, to share the experiences of scientists, engineers, NGOs and policy makers throughout the globe in the fields of Meteorology, Hydrology, Water Resources, Environment, Flood Forecasting and Management, GIS and Remote Sensing.

This volume collects together 78 peer-reviewed papers presented at the 3rd Remote Sensing and Hydrology Symposium and the 3rd International Conference of GIS/RS in Hydrology, Water Resources and Environment. The papers are organized into four topics: GIS and Remote Sensing, Hydrology, Water Resources and Environment.

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