IMPROVING FLOOD MANAGEMENT, PREDICTION AND MONITORING

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IMPROVING FLOOD MANAGEMENT, PREDICTION AND MONITORING: CASE STUDIES IN ASIA

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This volume of the *Community, Environment and Disaster Risk Management* book series focuses on improving flood management, prediction and monitoring based on case studies particularly in Malaysia. The chapters included in the volume consist of research papers presented at the Conference on Flood Catastrophes in a Changing Environment jointly co-organized by the Centre for Environmental Sustainability and Water Security (IPASA), Universiti Teknologi Malaysia, Asian Network on Climate Science and Technology (ANCST), Southeast Asia Disaster Prevention Research Institute (SEADPRI) – Universiti Kebangsaan Malaysia, and Malaysia-Japan International Institute of Technology (MJIIT) on 15–16 November 2016 at Universiti Teknologi Malaysia City Campus, Kuala Lumpur, Malaysia.

The theme of this volume is unique and rather peculiar 'Integrating EVERYTHING'. This does not mean that there is paucity in focus, but it is to reflect the complexity involved in order to deal with issues regarding calamity or catastrophes. This volume is aimed to cover three main phases that may be simplified as triple Ps: Pre-disaster, Present/during disaster and Post-disaster. These processes involve immense planning, formulation of strategy, preparedness at all levels including the community, early warning system, rescue operation and dealing with the traumatized victims. The volume is hoped to broadly cover various disciplines and matters related to flood management. It is fortunate to have authors and contributors who are expert in flood disaster related fields to share experiences, ideas and view of and solutions that can be implemented to improve flood management and flood risk reduction in Asia particularly in Malaysia.