

# Advance in Flood Disaster Assessment and Risk Management

**Session Number:** SS-3-1

**Time:** Sept 13, 11:00-12:30

**Location:** Room 8

**Lead Organiser:** Nanjing University

**Co-organiser:** North China Electric Power University

**Moderator:** Prof. Dong Wang, School of Earth Science and Engineering of Nanjing University, China

| Speakers  | Title   |
|---|---|
| <b>Dr. Xin Yu</b> , Professor, Yellow River Conservancy Commission, MWR, China                        | Runoff change and attribution analysis of source regions of the Yellow River  |
| <b>Dr. Pan Liu</b> , Professor, Wuhan University, China   | Using reservoirs to utilize floodwater resources without additional risks   |
| <b>Dr. Jiahong Liu</b> , Professor, China Institute of Water Resources and Hydropower Research, China | Risk zoning of huge flood based on coupled hydrodynamic model   |
| <b>Dr. Binquan Li</b> , Professor, Hohai University, China  | Integrating deterministic forecast, real-time correction, and probabilistic forecast to improve hydrological model accuracy |
| <b>Dr. Di Long</b> , Professor, Tsinghua University, China  | Streamflow and flood simulations driven by satellite remote sensing   |
| <b>Dr. Jianguo Jiang</b> , Associate Professor, Nanjing University, China                             | Prediction of Solute Dispersion Coefficient in Porous Media Using Transformer Network                                       |
| <b>Dr. Yulong Zhu</b> , Assistant Professor, North China Electric power university, China             | Investigation of Heavy Rainfall Induced Runoff Analysis at Small Catchment Scale by Using Distributed Runoff Models         |
| Panelists   | Contents  |
| <b>Dr. Yuankun Wang</b> , Professor, North China Electric power university, China                     | Flood Disaster Assessment and Risk Management focus   |
| <b>Dr. Xiankui Zeng</b> , Associate Professor, Nanjing University, China                              | Flood Disaster Assessment and Risk Management focus   |