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Flood Control and Management

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Deadline for manuscript submissions:
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Message from the Guest Editors

Floods affect more people globally than any other natural hazard and cause enormous damage and loss of life. The economic damage caused by flooding is on the increase and is caused by a host of factors, including rapid urbanization, increasing economic wealth, the development of coastal cities and poorly planned urban development. Climate change also plays a significant role due to rising sea levels and more intense and frequent extreme storm events. Most of these losses could be avoided or at least reduced by proper flood management.

This Special Issue invites contributions that meet the following themes.

- Flood prevention, protection and preparedness
- Forecasting, warning and emergency response
- Risk perception, resilience and recovery
- Modelling, assessment and optimization
- Climate change and adaptation, capacity building
- Coastal, pluvial, fluvial, and flash flooding
- Public engagement, insurance, policy and legislation
- Catchment management, floodplain management, land use planning
- Water sensitive urban design (WSUD)

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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