

# Special Issue

## Towards Resilient Infrastructure

### Message from the Guest Editors

Infrastructure systems, inclusive of power, transportation, water, and communications, play critical roles in modern society by providing essential products and services. However, they are facing urgent and emerging challenges from human-made and natural disasters, and aging issues. Climate change is expected to increase the frequency and intensity of extreme weather events in the future. This further highlights the need for resilient infrastructure systems, which are expected to survive, adapt, and recover quickly from external disturbances. To this end, many research efforts have been and are being put into assessing and enhancing infrastructure resilience. Potential themes for papers to be submitted to this Special Issue include but are not limited to the following:

- Multi-hazard risk assessment;
- Infrastructure resilience modeling and optimization;
- Post-disaster recovery;
- Risk-informed decision-support frameworks;
- Dependencies and interdependencies between infrastructure systems;
- Interaction between social, economic, and physical systems.

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### Guest Editors

Dr. Guangyang Hou

Dr. Qiling Zou

Dr. Min Li

Dr. Philip Scott Harvey

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### Deadline for manuscript submissions

closed (31 January 2024)



## Sustainability

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### Editor-in-Chief

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