



## Tsunami and Storm Surge Early Warning for Disaster Mitigation

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

Tsunamis and storm surges are natural disasters that result in flooding and damage to coastal regions. Hence, a reliable early warning for tsunamis or storm surges is important for disaster mitigation.

Traditionally, tsunami early warning systems are based on source inversion using seismic parameters; recently, however, several tsunami early warning methods that do not consider the seismic source have been proposed.

The purpose of this Special Issue is to publish the latest research on tsunami and surge storm early warning systems. Original research articles and reviews are both welcome. Research areas may include, but are not limited to, the following:

- Tsunami-generating mechanism;
- Hurricane, typhoon, and tropical cyclone activity;
- Offshore tsunami and storm surge observations;
- Tsunami source inversion and data assimilation;
- Numerical simulation model of tsunami and storm surge;
- Coastal planning, emergency preparedness, risk assessment;
- Probability forecasts of storm surge;
- Application of deep learning in early warning systems.

We look forward to receiving your contributions.

Dr. Yuchen Wang

Dr. Hoiio Kong

Guest Editors

# Special Issue



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