



## Modeling and Managing Catastrophic Risks in Heterogeneous Systems

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Deadline for manuscript  
submissions:

**closed (15 August 2022)**

### Message from the Guest Editors

The aim of the Special Issue on “Modeling and Managing Catastrophic Risks in Heterogeneous Systems” is to provide researchers from diverse scientific areas with a possibility to discuss various cross-disciplinary problems of effectively and robustly dealing with uncertainties and risks in heterogeneous interacting natural and anthropogenic systems, including food, energy, water, environmental, social security management, economic, engineering, healthcare decision-making in the presence of uncertainty and risks.

Contributions to the Special Issue can address, but are not limited to, the following topics: robust policy analysis and decision-making in interdependent food, water, energy, environmental systems under uncertainty and risks; food, energy, water, environmental, social and health security problems; spatio-temporal modeling and management of catastrophic risks; robust estimation, machine learning, and Big Data problems; stochastic dynamic programming; STO with probabilistic chance constraints; approaches to discounting for long-term projects.





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