

Special Issue

Infrastructure Resilience in Emergency Situations

Message from the Guest Editors

This Special Issue aims to gather the state-of-the-art research and practices focusing on resilience management for infrastructure. More specifically, the Special Issue aims to describe how to enhance infrastructure resilience in preparation and response to a wide range of emergency situations, both expected and unexpected. The Special Issue embraces a trans-disciplinary perspective, encompassing strategy, planning, operations, maintenance, and decision making in order to improve adaptive capacities and effective crisis management. Reviews on the research field and practices are also considered within the scope of the Issue. The list of topics includes (but is not strictly limited to):

- Strategy and policy
- Maturity frameworks
- Interdependency analysis
- Empirical approaches
- Network-based approaches
- Functional modelling
- Storytelling
- Serious games, gamification
- System dynamics
- Human-made disasters
- Natural hazards
- Emergent technologies AI, ML, big data, drones
- Management of trade-offs
- Diverse perspectives on resilience

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Deadline for manuscript submissions

closed (15 December 2022)



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