



Infrastructure Resilience in Emergency Situations

Guest Editors:

Dr. Riccardo Patriarca

riccardo.patriarca@uniroma1.it

Dr. Giulio Di Gravio

giulio.digravio@uniroma1.it

Dr. Gesa Praetorius

gesa.praetorius@lnu.se

Dr. Ivonne A. Herrera

ivh@forskningsradet.no

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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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Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group,
Department of Natural Resources
and Environmental Engineering,
School of Mining Engineering,
University of Vigo, 36310 Vigo,
Spain

Message from the Editor-in-Chief

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Contact Us

Infrastructures
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/infrastructures
infrastructures@mdpi.com