



Resilience of Critical Infrastructures: Risk Reduction and Maintenance

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Message from the Guest Editors

Dear Colleagues,

The large majority of our infrastructure network dates back to the 20th century. Structures such as bridges and tunnels are experiencing ageing phenomena that reduce their structural safety. The increase of traffic loads and environmental stressors are reducing the expected working life of infrastructures. Maintenance is required in order to prevent and control the ageing and degradation of structures, and to reduce the associated risk.

We are pleased to invite you to contribute to a Special Issue devoted to the recent advances and technical solutions for the resilience of critical infrastructures. Researches may include (but are not limited to) the following topics:

- Critical infrastructure resilience
- Maintenance of critical infrastructures
- Benefit–cost assessment of maintenance
- Degradation of constructional materials
- Fatigue life assessment of corroded steel
- Structural failure of bridges
- Bridge inspections
- Structural health monitoring for maintenance
- Risk mitigation strategies

We look forward to receiving your contributions.

Dr. Foad Kiakojouri and Dr. Valerio De Biagi

Guest Editors





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Message from the Editor-in-Chief

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