

Special Issue

Resilient Bridge Infrastructures

Message from the Guest Editor

It is well known that existing bridges are not resilient enough under artificial or natural loads mainly because many bridges have now concluded their service life cycle. In this field, maintenance activities, as well as static and seismic retrofitting designs require a major commitment both from the economic and the engineering point of view. A possible solution to this problem is to improve available technologies and to develop new technologies, also through close cooperation between Universities and industry stakeholders. In this way, it is possible to provide an effective decision support methodology that would allow the reduction of the risks due to a lack of resiliency of road networks. On this basis, the objective of this Special Issue is to gather contributions from academics as well as correspondents operating in the following fields: resilience of bridges; innovation in bridge technologies and materials; maintenance and retrofitting of existing bridges; structural health monitoring for bridge structures; risk-based decision making.

Guest Editor

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