

Special Issue

Innovation for Sustainability and Responsiveness in Infrastructure

Message from the Guest Editor

In this Special Issue, authors from engineering, computer science, construction, and infrastructure disciplines who are passionate about sustainability are invited to consider the following topics:

- The role of Industry 4.0 to measure infrastructure sustainability and responsiveness
- Innovative, bio-inspired mechanisms for responsiveness
- Responsiveness capabilities (as opposed to resilience capabilities)
- Assessing infrastructure assets and systems for responsive sustainability
- Measuring the effects of responsive sustainability on public health
- Identifying trade-offs between responsiveness and sustainability
- Examining how a responsive sustainability lens creates new knowledge
- Considering roadmaps for the transition toward responsive sustainability
- Effects of longer-lived infrastructure on responsive sustainability
- Impact of responsive digital twins and/or sensing/actuation technologies on sustainability
- Responsive sustainability at different temporal and spatial scales
- Targeting of responsive sustainability to different infrastructure components and so on

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2022)



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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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