

# Special Issue

## AI in Sustainable and Resilient Infrastructures: Construction, Management, and Maintenance

### Message from the Guest Editors

Civil infrastructure systems across the globe are increasingly strained by the combined effects of climate change, accelerated urbanization, asset deterioration, and growing resource limitations. At the same time, advances in AI and data-centric engineering are transforming how we design, build, operate, and maintain civil infrastructure. This Special Issue invites contributions that leverage the power of AI to improve sustainability and resilience across the entire infrastructure lifecycle from low-carbon design and planning through to safe and efficient construction and to predictive operations, asset management, and maintenance. Potential topics include, but are not limited to, the following:

- **Sustainable Planning and Design**
- **Construction Engineering and Management**
- **Operations, Asset Management, and Maintenance**
- **Resilience, Risk, and Climate Adaptation**
- **Inspection, Sensing, and Data**
- **Governance, Ethics, and Adoption**

We look forward to your contributions!

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### Guest Editors

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### Deadline for manuscript submissions

1 February 2027



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Impact Factor 2.9  
CiteScore 6.0



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