



The Future of Infrastructure Inspection

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Message from the Guest Editors

This Special Issue will illuminate the true state-of-the-art, the most significant challenges for future advancement, and the state-of-the-future in the field of infrastructure inspection. The Special Issue is designed to inform the public about the emerging challenges and opportunities for advanced technologies and methodologies, as well as to delineate considerations for practical implementation. The articles will not be limited to any one civil engineering domain, class of infrastructure, or inspection paradigm. The Special Issue will communicate the emerging capabilities and challenges that will help define structural sensing and monitoring over the next decades.

Examples include but are not limited to innovations in the following areas:

- Data collection, analysis, and management;
- Long-term monitoring;
- Post-disaster assessments;
- Sensors;
- Digital twin;
- Infrastructure maintenance;
- Infrastructure repair and retrofit strategies;
- Robotic-assisted inspections;
- Data-driven approaches;
- Augmented or virtual reality applications;
- Applications of additive or advanced manufacturing strategies.





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Message from the Editor-in-Chief

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