Special Issue

Artificial Intelligence (AI) in Structural Health Monitoring

Message from the Guest Editors

With the help of the most advanced AI technologies, bottleneck problems (e.g., data fusion, feature extraction, and nonlinear mapping modeling) in the core links of the operation and maintenance of engineering facilities can be overcome. This Special Issue seeks original research and review articles on recent advances, technologies, solutions, and applications of AI in structural health monitoring. Research areas may include (but are not limited to) the following:

- Sensing by mechanics, thermotics, acoustics, optics, electricity or magnetism modalities;
- Machine learning in structural health monitoring;
- Computer vision in structural health monitoring;
- Data cleaning and feature extraction in structural health monitoring;
- Big data mining and analytics in structural health monitoring;
- Advanced monitoring for bridges, buildings, tunnels, pipe galleries, dams, mechanical systems, aircrafts, and spacecrafts;
- Environmental monitoring for engineering facilities;
- Digital twins for engineering facilities;
- Intelligent operation and maintenance for engineering facilities;
- Life-cycle assessment for engineering facilities.

Guest Editors

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Prof. Dr. Youliang Ding

Deadline for manuscript submissions

closed (2 September 2023)

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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. *Sustainability* publishes original research articles, review 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

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