Special Issue

Development of Reinforced Concrete Structure Performance Evaluation

Message from the Guest Editor

Reinforced concrete structures are used worldwide due to their advantages. Nevertheless, the behavior of concrete is diverse and complex. Thus, performance evaluations for reinforced concrete structures have been one of the focuses of researchers.

This Special Issue aims to gather and discuss the development of reinforced concrete structure performance evaluation. Topics of interest include, but are not limited to:

- Theoretical basis and the concepts of the performance evaluation of reinforced concrete;
- New performance evaluation methods for reinforced concrete;
- Performance evaluation of new materials used to reinforce concrete;
- Performance evaluations for structures in complex environment;
- Performance evaluations for structures subjected to extreme loadings;
- The application of the big data method to performance evaluations.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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