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Short-Term Forecasting in Civil Engineering with Multidisciplinary Approaches: Combined Numerical, Experimental and Statistical Methods

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editors

A multidisciplinary approach on the short-term forecasting has been suggested to achieve higher reliability in the field of civil engineering, to provide timely and accurate prediction for proactive management and control. The purpose of the proposed Special Issue on "**Short-Term Forecasting in Civil Engineering with Multidisciplinary Approaches: Combined Numerical, Experimental, and Statistical Methods"** is to present an integrated approach to explore the vulnerability of infrastructures to natural disasters that combines different approaches including numerical, experimental, and statistical methods to foster a scientific framework for better understanding the impact of climate and social-environmental change on infrastructures.

- Forecasting modeling;
- Data-driven model;
- Decision support;
- Risk;
- Resilience;
- Bayesian model application;
- Artificial neural networks (ANNs);
- Support vector regression (SVR);
- Hierarchical and probabilistic forecasting;
- Hybrid and combined models.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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