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Bridge Dynamics

Guest Editors:

Prof. Dr. Maria Anna Polak
Department of Civil & Environmental Engineering, University of Waterloo, 200 University Avenue West, Waterloo, ON N2L 3G1, Canada

Prof. Dr. Joanna Maria Dulińska
Institute of Structural Mechanics, Civil Engineering Faculty, Cracow University of Technology, Warszawska 24, 31-155 Krakow, Poland

Dr. Izabela Joanna Drygała
Faculty of Civil Engineering, Cracow University of Technology, Warszawska 24, 31-155 Krakow, Poland

Deadline for manuscript submissions:
closed (30 April 2020)

Message from the Guest Editors

Dear Colleagues,

The Bridge Dynamics Special Issue is dedicated to academic researchers and civil engineering specialists who want to present their work on theoretical and experimental methods of analysis for dynamic aspects of bridge structures.

In view of the significance of dynamic issues for the protection and operation, as well as feasibility, of bridge structures, this Special Issue aims to bring together authors who want to present their experiences in research, design, construction, and utilization of bridges, with the focus on dynamics.

Some of the problems considered for this Special Issue include, but are not limited to, the following: Experimental and theoretical investigation of dynamic characteristics of bridges and footbridges; seismic performance of bridges and footbridges; dynamic analysis of railway bridges subjected to high speed trains; human-induced vibrations of footbridges; aerodynamic stability of bridge structures; structural health monitoring (SHM) systems; integration and management of SHM data for bridges and footbridges.

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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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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Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
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