Special Issue

Advanced Construction Systems and Techniques for Composite Steel-Concrete Bridges and Buildings

Message from the Guest Editors

Composite steel–concrete structures have been gaining popularity in the last decades throughout the world for building and bridge applications. This Special Issue aims to provide an overview of some recent research carried out in this field, dealing with new structural systems, technologies, modelling techniques and design methodologies. It calls for both high-quality unpublished research in these areas and relevant state-of-the-art reviews. Potential topics include, but are not limited to, structural response of composite members and floor systems; building and bridge technology; serviceability limit state design; seismic vulnerability evaluation and retrofit; theoretical models; design code development; and experimental studies. Keywords:

- Composite steel-concrete buildings
- Bridge technology
- Concrete time effects
- Shear connection

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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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