

## Special Issue

# Advanced Technologies for Bridge Design and Construction

### Message from the Guest Editors

Large-scale natural disasters are occurring around the world more frequently than ever before, destroying necessary infrastructures such as buildings, roads, and bridges. Bridge structures, which link cities and/or prefectures, are particularly vulnerable to natural disasters, and due to their key role, they have to be rebuilt as quickly as possible. Thus, the reasons that damaged bridges collapse as a result of natural disasters must be investigated, and new types of suitable bridges must be designed that are stronger, tougher, more modern, and which recover more quickly. In this Special Issue, papers are invited that focus on intelligent, advanced bridge technology concepts developed through scientific investigation of disaster zones, e.g., quick, smart, automatic, and modern IoT systems that are not dangerous, which can be used for reconstruction or to reduce the damages caused by natural disasters.

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### Guest Editors

Dr. Yuki Chikahiro  
Dr. Ichiro Ario  
Dr. Gakuho Watanabe

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### Deadline for manuscript submissions

closed (30 April 2023)



## Applied Sciences

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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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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