

## Special Issue

# Development, Design and Analysis of Novel Steel Connections

### Message from the Guest Editors

I am pleased to invite you to contribute to this Special Issue entitled “Development, Design and Analysis of Novel Steel Connections”. Technological developments in the fields of advanced manufacturing, steel construction, and robotics have led to the design of new and proprietary steel connections which can simplify the steel assembly process and increase efficiency. It is essential to accurately model the structural performance of such connections to establish comprehensive understanding of their behavior, enabling current and future performance prediction, and guaranteeing safety. This Special Issue invites papers that address these aspects of novel steel connections, including but not limited to: the outline of the design and development of new steel connections, and the numerical modelling and structural analysis of new connections locally and/or globally within steel structures. Papers presenting new modelling techniques and model validation approaches for steel connections are also welcome.

We look forward to receiving your submissions. Special Issue Link: [applsci/special\\_issues/Steel\\_Connections](https://www.mdpi.com/applsci/special_issues/Steel_Connections)

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### Guest Editors

Dr. Patrick J. McGetrick  
Prof. Dr. Arturo E. Schultz  
Prof. Dr. Debra F. Laefer  
Dr. Salam Al-Sabah

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### Deadline for manuscript submissions

closed (26 November 2021)



## Applied Sciences

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## About the Journal

### 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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