



Design Optimization in Civil and Architectural Engineering

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Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Design optimization concepts underpin most of our research. One inherent motivation of good research is to attempt to achieve more with less. Researchers from diverse fields within civil and architectural engineering have utilized various methods and tools for design optimization. For example, biomimicry can offer valuable insights into the structural design optimization techniques that nature perfected over millions of years. Structural shape optimization is a special field within the design optimization domain of research. Sustainability is another critical driver behind design optimization research. Recently, reliability-based design optimization is also gaining momentum. This approach attempts to combine the reliability theory and optimization to minimize the structural cost or to enhance other performance factors related to uncertainty variables.

This Special Issue aims to provide a platform to showcase various advances in innovative design optimization-related research from the wider civil and architectural engineering community.





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Message from the Editor-in-Chief

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