

CIVIL-COMP-OPTI 2023
The Sixth International Conference on
Soft Computing, Machine Learning and Optimization in
Civil, Structural and Environmental Engineering
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Special Session: C-C-OPTI-S1

Structural Optimization Modeling and Simulation

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Aims and scope:

This special session will gather academicians, researchers, engineers, and industry experts to present the most demanding challenges and recent developments in structural optimization modeling and simulation. The session will provide an ideal platform to discuss the recent advances, research results, and practical experiences in structural shape, sizing and topology optimization, hierarchical, discrete and multiscale optimization, optimization of composite, reliability-based design, elastic-plastic optimal design of the structures, numerical modeling and simulation, optimal identification procedure for structural control devices and/or earthquake mitigation systems, computer-aided analysis and design, algorithms and software development. Moreover, topics related to applications of optimized tools for parametric analysis and form finding in Civil Engineering field are included.