

## Special Issue

# Finite Element Simulation and Analysis

### Message from the Guest Editors

The finite element method (FEM) has become an essential tool for simulating and analysing complex engineering problems in various fields. The FEM stands as a fundamental pillar in engineering, providing an advanced and effective method with which to analyse, understand, and optimize complex structures and systems across various sectors. This Special Issue, "Finite Element Simulation and Analysis", aims to bring together the latest research findings and developments in this area. We invite researchers and practitioners to contribute original research articles and review papers that focus on the application of finite element simulation and analysis in engineering science. Topics of interest include, but are not limited to: Finite element modelling and analysis; Structural and fluid dynamics simulations; Multi-physics and multi-scale simulations; Optimization and sensitivity analysis; Material modelling and characterization; Validation and verification of finite element models; Uncertainty quantification and reliability analysis; Innovative applications of the finite element method. For more details: <https://www.mdpi.com/si/195164>

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### Deadline for manuscript submissions

closed (30 June 2025)



## Modelling

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## About the Journal

### Message from the Editorial Board

We encourage you to contribute a research or comprehensive review article for consideration and publication in *Modelling* (ISSN 2673-3951), an international open access journal, which is published quarterly online by MDPI. The editorial board and staff of *Modelling* are dedicated to providing an advanced forum for studies related to the development and applications of modelling and simulation techniques. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications.

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### Editors-in-Chief

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