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## Finite Element Methods with Applications in Civil and Mechanical Engineering

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Deadline for manuscript  
submissions:

**closed (15 July 2024)**

### Message from the Guest Editors

It is a recognized fact by those in the field that the finite element method is one of the most widely used numerical methods for solving complex problems in mechanical engineering, civil engineering, and mathematical physics, providing appropriate approximations. In the mid-1950s, as the requirements of the development of the aircraft industry in the context of aircraft structure analysis emerged, the computational details, the necessary mathematical apparatus, and incipient software were developed and strengthened. Within a decade, the potential of this method for solving a multitude of problem types in applied science and engineering was recognized. Over the years, the finite element method has been so well established, with emphasis on its use, development, and promotion, that today it is regarded as one of the most effective methods for solving a wide range of practical problems.

This Special Issue is dedicated to exploring the recent advances in finite element methods with applications in civil and mechanical engineering. Both the original research articles and review articles within the scope of the Special Issue are welcomed.



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# Special Issue



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