



Multiscale Modeling in Engineering and Mechanics: From Microscopic to Macroscopic Mechanical Modeling

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Message from the Guest Editors

Dear Colleagues,

Multiscale modeling has become an important tool in the field of engineering, allowing for a more accurate understanding and prediction of the behavior of materials and structures at different scales. This Special Issue aims to bring together the latest research on multiscale modeling in engineering, with a focus on both microscopic and macroscopic mechanical modeling. The Special Issue will cover a range of topics including, but not limited to, computational methods and techniques for multiscale modeling, mechanical modeling of materials and structures at different scales, morphology analysis of heterogeneous materials, and applications of multiscale modeling in engineering problems. In particular, we encourage submissions that highlight the deep mathematical connections between the microscopic and macroscopic scales. We hope this Special Issue will provide a platform for researchers to exchange ideas and knowledge, and to promote interdisciplinary collaborations to address complex engineering problems, which may contribute to the advancement of multiscale modeling in engineering and mechanics and inspire further research in this exciting field.





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Message from the Editor-in-Chief

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