Advances in Computation and Modeling of Materials Mechanics

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Message from the Guest Editors

The Special Issue "Advances in Computation and Modeling of Materials Mechanics" aims to explore the forefront of research in the field of advanced material mechanics using theoretical computation and simulation techniques. This Special Issue focuses on investigating the mechanical behavior and properties of advanced materials at different scales, which have significant implications for various industries and applications, including aerospace, nuclear, automotive, and structural engineering. Therefore, the topics covers a wide range of research areas, including but not limited to the following: (1) Development and application of computational models and simulation methods for analyzing the mechanical properties of advanced materials; (2) Investigation of the mechanical response of advanced materials under different loading conditions, such as tensile, compressive, and shear forces; (3) Exploration of the relationships between the microstructure and mechanical properties of advanced materials; (4) Study of the effects of various factors, such as grain boundaries, defects, and interfaces, on the mechanical behavior of advanced materials;

Special Issue

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Message from the Editor-in-Chief

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