



Mesoscale Modelling of Materials Processing and Performance

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Mesoscale interactions govern phenomena on a scale from 10 nanometers to 100 micrometers. This is the scale where microstructures form and properties and functionalities develop. Examples include the formation of dendrites, porous and anisotropic domains, and the development of hardness, ductility, and conductivity of materials. Mesoscale interactions enable computer simulations of these phenomena, allowing people to design optimal experimental setups and material processing conditions.

We are editing a Special Issue on this topic and seek papers on mesoscale modeling. This includes, but is not limited to, phase field models, cellular automata, smoothed particle hydrodynamics, and the lattice Boltzmann equation.

Prof. Dr. Rongshan Qin
Guest Editor





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Editor-in-Chief

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Message from the Editor-in-Chief

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