



Special Issue on Materials Modelling and Its Applications

Call for Papers

Almost every aspect of modern life involves materials and benefits from advances in materials modelling. Mobile phones, aircraft, power stations, fuels, medications, and much else that we now take for granted, all rely on materials. In addition, many processes in the natural world, ranging from the growth of ice in the upper atmosphere all the way to diseases caused by protein mis-folding also involve the properties of materials. Many of today's challenges, such as climate change, energy production and healthcare, demand powerful methods for probing the properties of a vast range of materials. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **materials modelling and its applications**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **materials modelling and its applications**. In this special issue, potential topics include, but are not limited to:

- Mathematical models in materials science
- Monte carlo and molecular dynamics methods
- Thermodynamics and phase diagrams
- Mesoscale and multiscale modelling
- Kinetics & microstructure modelling
- Process modelling

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Materials Modelling and Its Applications**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	February 27th 2018
Publication Date	April 2018

Guest Editor:

For further questions or inquiries



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