



## Special Issue on Computational Physics

### Call for Papers

Most problems in physics are too complicated for a straightforward comparison between theory and experiment, and even given the theoretical background, the consequences may be impossible to comprehend. Computational Physics builds a bridge between theoretical and experimental science, and with the advances in computing power, the field has become integral in almost all sciences. Also, the data handling itself has become part of the topic (Big Data). 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 the area of **computational physics**.

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

- The monte carlo method
- Finite element method
- The molecular dynamics method
- Computer algebra
- Mathematica in quantum mechanics
- Neural network method and its application
- High performance computing and parallel algorithm
- Topological mixing

Authors should read over the journal's [Authors' Guidelines](#) 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 - Computational Physics**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	November 20th, 2019
Publication Date	January 2020

**Guest Editor:**

For further questions or inquiries



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