



## Special Issue on Navier-Stokes Equations

### Call for Papers

**Navier-Stokes equations** are motion equations describing the conservation of viscous incompressible fluid momentum. It reflects the basic mechanics of viscous fluid flow, which is of great importance in fluid mechanics. Navier-Stokes equations describe the physics of many phenomena of scientific and engineering interest. They can be applied to simulate weather, ocean currents, water flow in pipe and the air flow around wing. Moreover, the full and simplified forms of Navier-Stokes equations help in the design of aircraft and automobiles, study of blood flow, the design of power stations and the analysis of pollution.

In this special issue, we intend to invite front-line researchers and authors to submit original researches and review articles on exploring **Navier-Stokes equations**. Potential topics include, but are not limited to:

- Incompressible Navier-Stokes equations
- Compressible Navier-Stokes equations
- Euler and Navier-Stokes equations
- Reynolds-averaged Navier-Stokes equations
- Solutions of the Navier-Stokes equations
- Finite element methods for Navier-Stokes equations

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 notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Navier-Stokes Equations**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	February 15th, 2018
Publication Date	April 2018

#### Guest Editor:

For further questions or inquiries  
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