



Special Issue on Gravitation, Astrophysics and Cosmology

Call for Papers

Gravitation, Astrophysics and Cosmology is the branch of astronomy that deals with the physics of the universe, including the physical properties of celestial objects, as well as their interactions and behavior. Gravitational physics has grown over the past few decades from a small area of research concerned mainly with mathematical properties of Einstein's theory of general relativity into a broad field whose theoretical aspects range from astrophysics and cosmology to quantum gravity, one of the most challenging boundaries of our current understanding of the nature of matter and space time. Gravitational physics has also developed a solid experimental side with the building of a variety of gravitational wave detectors and with high-precision tests of gravitational effects on the earth and in orbit; it has found practical applications in the GPS system as well as in the guidance of spacecraft. As one of hottest topics in physics, **gravitation, astrophysics and cosmology** are of great attractions to researchers.

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

- High-energy astrophysics
- Galaxy and black hole evolution
- Computational astrophysics
- Experimental particle astrophysics
- Cosmology
- Numerical relativity and gravitational wave physics
- Experimental Gravity
- Quantum gravity and extra dimensions
- Theoretical astrophysics and classical general relativity

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 note that the “**Special Issue**” under your manuscript title should be specified and the research field “**Special Issue - Gravitation, Astrophysics and Cosmology**” should be selected during your submission.

Also please note the following timetable:



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Guest Editor:

For further questions or inquiries
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