

Special Issue on  
**Gamma-Ray Burst in the Swift/Fermi Era and Beyond**

# CALL FOR PAPERS

Gamma-ray bursts (GRBs) are short-lived and intense flashes of gamma-rays from space, lasting from a few milliseconds to many minutes. Since the first discovery in 1967 by the VELA satellite, GRBs have attracted interest from thousands of scientists all over the world. Many satellite missions have been sent into space to study its mystery including recently launched Swift (launched in 2004) and Fermi (launched in 2008). Many breakthroughs have been made in the past few years after great data were taken by the two satellites, and the understanding of the GRB nature has been revolutionized in the past decade.

However, new observations also bring new challengers. When some fundamental issues are still poorly understood with current observations, new questions arise with new observations being performed. At this unique time, with both Swift and Fermi satellites operational in space, it is important to study GRBs as detailed as possible before the two satellites pass their lifetime. Meanwhile it is also important to predict, expect, and prepare for the future study of GRBs beyond Swift/Fermi era.

Here we invite authors to submit original research articles to this special issue, both observationally and theoretically. We are interested in articles that are related to either Swift or Fermi observations.

Potential topics include but are not limited to the following:

- ▶ The origin of GRB prompt emission: composition of the jet, energy dissipation, particle acceleration mechanism, radiation mechanism, and so forth
- ▶ The origin of high energy (GeV) photon, both in prompt phase and in afterglow phase
- ▶ All wavelength follow-up observations and various modeling explaining its broad-band spectral energy distribution
- ▶ Connections between GRB and Supernova
- ▶ Host galaxy properties and their relation with the birth of GRB

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/aa/grbsf/>.

**Lead Guest Editor**

WeiKang Zheng, University of California, Berkeley, USA  
[zwk@astro.berkeley.edu](mailto:zwk@astro.berkeley.edu)

**Guest Editors**

Takanori Sakamoto, Aoyama Gakuin University, Tokyo, Japan  
[tsakamoto@phys.aoyama.ac.jp](mailto:tsakamoto@phys.aoyama.ac.jp)

Yuji Urata, National Central University Institute of Astronomy, Taoyuan, Taiwan  
[urata@astro.ncu.edu.tw](mailto:urata@astro.ncu.edu.tw)

Shashi B. Pandey, Aryabhata Research Institute of Observational Sciences, Uttarakhand, India  
[shashi@aries.res.in](mailto:shashi@aries.res.in)

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