



INTERNATIONAL  
CENTRE *for*  
THEORETICAL  
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

# POSTDOCTORAL FELLOWSHIPS IN GRAVITATIONAL-WAVE- PHYSICS AND ASTRONOMY

Two postdoctoral fellowships are being offered at the Astrophysical Relativity group of the International Centre for Theoretical Sciences (ICTS) in Bangalore, India. The fellowships are offered in the area of gravitational-wave- physics and astronomy, including analytical- and numerical relativity. Candidates are expected to have a PhD in Physics or Astrophysics with an excellent track record. Although PhDs in gravitational-wave physics, relativistic astrophysics, general relativity etc. are preferred, candidates from other areas with strong analytical *and* computational skills will also be considered. Two kinds of positions are offered:

- ▶ **Post Doctoral Fellow (3 years):** Emoluments range from Rs 21,000-24,000 plus 30% housing allowance per month (before taxes), and a contingency grant of Rs 20,000 per annum.
- ▶ **Post Doctoral Visiting Scientist (2 years):** Emoluments range from Rs 35,000-43,000 plus 30% housing allowance per month (before taxes). This position requires minimum 1 year of postdoctoral experience. Post doctoral fellows in scheme 1 can be considered for this position after a year.

The Astrophysical Relativity group includes P. Ajith (permanent faculty), Bala Iyer, Tarun Souradeep and Rana Adhikari (adjunct faculty). K. G. Arun, Sascha Husa and Mark Hannam are visiting associates. Adjunct faculty members and visiting associates are expected to spend from several weeks to a few months every year at ICTS. Several undergraduate and graduate students are also expected to join the group in the next year. The group will have a strong involvement in the proposed LIGO-India project, the IndIGO consortium and the LIGO Scientific Collaboration. In addition, the group expects to develop close collaborations with the astrophysics and gravitational physics groups of the neighboring Indian Institute of Science and Raman Research Institute, in addition to other research groups of ICTS. The group is organizing a one-month long ICTS program in numerical relativity during June-July 2013. Such programs are expected to be organized regularly. In addition to a high-performance computer cluster that the Centre is in the process of purchasing, group members will have access to several large clusters in India and abroad.

More information at <http://www.icts.res.in/news/details/111/>

Founded in 2007, the ICTS is a new initiative in Indian science. It is conceived to contribute to the growth of excellence in the basic sciences through its programs, interactions and cross-fertilization between disciplines. ICTS provides a platform and infrastructure to organize various activities in theoretical and mathematical sciences. Examples of comparable existing centers in the world are KITP, Santa Barbara and ICTP, Trieste. Currently ICTS functions within the campus of the Indian Institute of Science, Bangalore. The permanent campus is being constructed at a beautiful site on the outskirts of Bangalore.

[www.icts.res.in](http://www.icts.res.in)

Interested candidates are requested send their CV, list of publications and a research proposal of not more than two pages by e-mail to [gravity.postdocs@icts.res.in](mailto:gravity.postdocs@icts.res.in). Please also arrange at least three reference letters to be sent to the same e-mail. The nominal deadline is **1 December 2012**; but applications will be considered until positions are filled. The nominal starting date of **1 September 2013** is negotiable. Informal queries may be addressed to [ajith@caltech.edu](mailto:ajith@caltech.edu).