



INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Airbus Postdoctoral Fellowships at ICTS-TIFR & TIFR-CAM

Airbus Group Corporate Foundation has entered into a partnership agreement with the TIFR Centre for Applicable Mathematics (TIFR-CAM) and the International Centre for Theoretical Sciences (ICTS-TIFR) to create an International teaching and research chair entitled “Mathematics of Complex Systems,” with the aim of developing innovative research involving theoretical, applied, and computational work related to mathematics of complex systems. Several attractive **Prize Postdoctoral Fellowships** are available under this program for which applications are invited for the 2017-2018 session. Fellowships are available in the following areas

- ☐ Dynamical systems, Stochastic Analysis, Data Assimilation (PI: Amit Apte apte@icts.res.in, Sreekar Vadlamani sreekar@math.tifrbng.res.in)
- ☐ Nonlinear waves, Fluid mechanics (PI: Vishal Vasan vishal.vasan@icts.res.in)
- ☐ Fluid dynamics and turbulence (PI: Samriddhi Sankar Ray ssray@icts.res.in, Rama Govindarajan rama@icts.res.in)
- ☐ Homogenization and control of PDEs, inverse problems, image reconstruction (PIs: M. Vanninathan vanni@math.tifrbng.res.in, Mythily Ramaswamy mythily@math.tifrbng.res.in, Venky Krishnan vkrishnan@math.tifrbng.res.in)
- ☐ Numerical methods for fluid flows (PI: Praveen C. praveen@math.tifrbng.res.in)

The research themes are described in more detail at www.icts.res.in/airbus-chair. Fellows are expected to work closely with the research groups at ICTS and CAM in Bangalore, a highly cosmopolitan city, known as the garden city of India. Both centres provide stimulating intellectual atmosphere and state-of-the-art facilities for academic research. Fellows will have opportunity to interact with leading scientists from all over the world through collaborative visits, workshops and conferences, funded by the program. For more details, visit <https://www.icts.res.in/academic/postdoctoral-fellowships/airbus>

Eligibility

Applications are invited from highly motivated young scientists with proven track record. Candidates must have a PhD degree in mathematics, physics or engineering. Prior research experience in the specific areas mentioned above is recommended, but not essential.

Salary and benefits

The salary will be 60,000 INR per month and the fellows can also opt for free ICTS accommodation or a house rent allowance of 15,000 INR per month. In addition, the fellows receive health insurance, travel support up to 200,000 INR per year and a research grant of 200,000 INR per year for computing services, publications, relocation, and other direct costs. The initial appointment will be for two years, with a possibility of extension for the third year depending on a comprehensive review of the scientific activity of the fellow.

About ICTS

ICTS is a new initiative in Indian science, with a mandate to contribute to frontier research by providing a platform devoted to theoretical natural sciences and interdisciplinary and applied mathematics through its various programs. The current in-house research program focusses on astrophysical relativity, fluid dynamics and turbulence, mathematics, physical biology, statistical and condensed matter physics, string theory and quantum gravity (www.icts.res.in/research). ICTS hosts strong visitors and associates driven programs, a highly competitive graduate school as well as a devoted postdoctoral program, that forms an integral part of the in-house research. A state-of-the-art residential campus is ready to provide vibrant academic environment. Located in Bangalore, the garden city of India, with pleasant and moderate climate, ICTS maintains close ties with the world-class scholastic ambience of the city.



Centre for
Applicable
Mathematics



How to Apply

Interested candidates should apply online at: https://forms.icts.res.in/postdoc_app/ with the following:

- ☐ Curriculum Vitae.
- ☐ List of publications.
- ☐ A research proposal (not more than two pages) .
- ☐ A covering letter.
- ☐ The applicants also need to arrange at least three recommendation letters sent directly to the ICTS.

The deadline is **December 2, 2016**, but applications will be considered until the positions are filled. The nominal starting date of September 1, 2017 is negotiable. Informal queries may be directly addressed to the individual PIs.

Deadline: December 2, 2016

www.icts.res.in

www.airbusgroup.com

www.math.tifrbng.res.in

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