



NATIONAL INSTITUTE OF ADVANCED STUDIES

Indian Institute of Science Campus, Bangalore – 560012

The National Institute of Advanced Studies (NIAS), a visionary initiative of JRD Tata, has a mandate to create leaders of substance and credibility in a variety of domains in India, and to carry out in-depth, policy relevant research from a multi-disciplinary perspective, drawing on a wide spectrum of disciplines in the natural sciences, humanities and social sciences. NIAS provides a congenial atmosphere and institutional support for faculty and scholars to pursue their research and career goals, and expects them to produce significant outcomes in line with the institution's mandate. Please visit our website (www.nias.res.in) for a comprehensive perspective.

The Complex Systems Programme invites applications from eligible candidates for engagement in the following posts in the SERB, DST funded project: “Modelling Nonlinear Complex Phenomena: from climate change, environmental effects to interacting species” under Prof. Janaki Balakrishnan, School of Natural Sciences & Engineering, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore - 560012. This project is one of the 3 components of the larger DST project: “Interdisciplinary Forays into Human-Environment Interactions: An Integrative Research Initiative in Energy, Ecology and Nonlinear Modelling”.

1. Junior Research Fellow

Qualifications & Experience Required: Candidates should have preferably qualified in the national level competitive written test conducted jointly by CSIR and UGC (National Eligibility Test, NET) having M.Sc. in Physics/Applied Mathematics or related areas.

Other exceptional candidates and JEST/GATE, etc., qualified candidates are also encouraged to apply.

Requirement: Good analytical skills and computational skills especially in FORTRAN, C or C++ , MATLAB

Desirable: The applicant should have working familiarity with nonlinear dynamics

Number of positions: 02

Emoluments: As per DST rules.

Tenure of the post: Initially for a period of one year which may be extended for a further period subject to the candidate's satisfactory performance and continuation of the project.

The candidates selected for this post would have the possibility of later registering for a PhD degree depending upon satisfactory progress of work and fulfilment of the requirements for registering for it. Such students will work in NIAS and will be registered for the PhD degree with an appropriate institution identified by NIAS. Presently PhD students working at NIAS register either with the University of Mysore or Manipal University.

2. Research Associate -I

Qualifications & Experience Required: The candidate should have a PhD degree in Physics/Applied Mathematics or a related area, or should have submitted his/her PhD thesis in any of these areas.

Requirement: Good analytical skills and computational skills especially in FORTRAN, C or C++ , MATLAB

Desirable: Good working familiarity with nonlinear dynamics

Number of positions: 01

Emoluments: As per DST rules.

Tenure of the post: Initially for a period of one year which may be extended for a further period subject to the candidate's satisfactory performance and continuation of the project.

3. Research Assistant

Qualifications & Experience Required: B.Tech or M.Tech.or M.Sc degree in Physics or a related subject. GATE /KVPY qualified candidates are especially welcome to apply.

Requirement: Good analytical skills and computational skills especially in FORTRAN, C or C++ ,
MATLAB

Number of positions: 01

Emoluments: As per DST rules.

Tenure of the post: Initially for a period of one year which may be extended for a further period subject to the candidate's satisfactory performance and continuation of the project.

Interested and eligible candidates may apply for these positions by sending their completed resume, with names of three referees and list of publications (where applicable) to Prof. Janaki Balakrishnan, at the email address : janaki05@gmail.com latest by 20 April, 2017.

Shortlisted candidates will be invited to NIAS for an interview.

25 March, 2017

ADMINISTRATIVE OFFICER