



MAX-PLANCK-GESELLSCHAFT

## Rolling Advertisement for Post-doctoral Fellow under the Max Planck India Partner Group at IIT Indore

October 30, 2019

The Computational Astrophysics group (<http://people.iiti.ac.in/~bvaidya/group.html>) at the Discipline of Astronomy, Astrophysics and Space Engineering (DAASE) invites applications for Post-Doctoral Fellow funded by the Max Planck India Partner Group established at IIT Indore.

The primary research focus of the group is to study properties of astrophysical and space plasma using state-of-the-art numerical tools. The group is also involved in developing algorithms and numerical framework that bridges micro and macro physical scales in astrophysical systems. The current research areas are : Multi-messenger studies of AGN jets, High Energy Astrophysical processes including particle acceleration at shocks and non-thermal radiation transfer, numerical relativity and magneto-hydrodynamics (MHD), Space Weather Modeling.

Post-doctoral fellow under the Max Planck India Partner Group is expected to pursue a vigorous independent research program. Applicants with background in multi-waveband observations of Active Galactic Nuclei (AGN) and/or having expertise in data-driven astronomy are desirable. We especially encourage applicants whose research interests have potential synergies with observational aspects of AGNs and high energy astrophysical instrumentation. Applicants with expertise in other than above fields related to Astronomy and Astrophysics are also encouraged to apply. The fellow will be provided opportunities to develop research collaborations with Max Planck Institute for Astronomy (MPIA, Heidelberg, Germany) over the course of the fellowship.

### Application Process

This is a rolling advertisement and will be open until the position is filled. Exceptionally talented individual capable of conducting state-of-the-art research in above mentioned areas should apply by sending their curriculum vitae, a comprehensive research plan, and the names and e-mail addresses of three or more referees to **Dr. Bhargav Vaidya**, at the e-mail address [bvaidya@iiti.ac.in](mailto:bvaidya@iiti.ac.in).

Periodical evaluations of applications will be done and short listed candidates will be informed via email regarding the interview process and dates. Applicants should also request their referees to send in recommendation letters before the interview. The first round of short-listing would consider applications received on or before **November 30, 2019**.

When taking up the position, candidates must have a Ph.D. in physics, astronomy, or a related subject, or must be awaiting the award of the Ph.D. degree after submitting the doctoral thesis to a university. The monthly salary of Post-Doctoral Fellow depends on experience after the doctoral degree. Candidates fresh out of their Ph.D. would be desirable for the advertised position. Candidates are required to have at least a provisional Ph.D. degree (viva-voce examination held) when taking up the position.

## Stipend and Tenure:

For candidates who have received their doctoral degrees, consolidated salary will be paid as per rules. The advertised position is tenable for a maximum of **2 years**, with continuations subject to a yearly review.

## Service Conditions

- DA: Postdoctoral Fellow will not be entitled to DA.
- House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.
- Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.
- The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.