



**INTER-UNIVERSITY CENTRE FOR  
ASTRONOMY AND ASTROPHYSICS**  
(An Autonomous Institution of the  
University Grants Commission)

## **IUCAA Girawali Observatory Call for Proposals Cycle 2012A: February 2012 to May 2012**

***PROPOSALS ARE INVITED FOR THE 2012A CYCLE (Feb. 2012 – May 2012). THE DEADLINE FOR THE RECEIPT OF PROPOSALS IS November 15, 2011.***

The IUCAA Girawali Observatory (IGO) operates a 2-m optical and near-infrared telescope at Girawali, which is located near Junnar (Maharashtra) at an altitude of about 1000 m. The main instrument available for observations is IFOSC, which can be used in imaging, spectroscopic and polarimetric modes. In addition, a CCD camera, PI-CCD, which provides better spatial sampling over a smaller field of view, is also available on one of the side ports. Further details on the telescope and the instrumentation (including an exposure time calculator) can be found at <http://www.iucaa.ernet.in/~itp/>

The IGO Time Allocation Committee (IGO-TAC) is responsible for allocation of approximately 60% of the available time. Director's discretionary time, as well as time for target of opportunity observations, training programmes, observatory projects, maintenance and compensation will constitute the remaining 40% of the time. The guidelines given to the IGO-TAC require it to divide the available time roughly evenly between proposals with IUCAA PIs, proposals with PIs from Indian universities, and proposals with PIs from other research institutions. In making its decisions, the IGO-TAC will use inputs from external referees (on the scientific content), as well as inputs from IGO staff (on the technical feasibility) of the proposals. The IGO-TAC currently consists of *G.C. Anupama (IIA, Chair), P. Vivekanand Rao (OU, Hyderabad), D.K. Ojha (TIFR), A.N. Ramaprakash (IUCAA) and Ranjan Gupta (IUCAA, Convener).*

Given the large number of users that the IGO tries to cater to, it is difficult for the IGO-TAC to support long term programmes that require a substantial fraction of the available dark nights.

*Target of Opportunity (ToO) proposals which ask for a fixed quantum of time, but for which the scheduling needs to be done dynamically, should also be submitted at this time. Scheduling of ToO proposals is subject to several practical constraints, please see the IGO home page for details.*

*The proposals should be submitted online using the IGO Archive and Proposal Management System available at the following URL: <https://vo.iucaa.ernet.in:9090/igo>*

**The proposers need to register themselves before the proposal can be filled-in and submitted.**

Hard copies are strongly discouraged and will be accepted only under exceptional circumstances (for hard copies of the proposal submission form and instructions, please contact [itp@iucaa.ernet.in](mailto:itp@iucaa.ernet.in)). For clarifications regarding any technical issues please contact [vmohan@iucaa.ernet.in](mailto:vmohan@iucaa.ernet.in).

**September 30, 2011  
Pune, India**

**G.C. Anupama  
Chair, IGO-TAC**



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## **Introductory Summer School on Astronomy and Astrophysics**

The school proposed to be held during May 7 - June 8, 2012 at IUCAA, Pune, is designed to introduce the students of physics, mathematics, engineering, and technology to the exciting fields of Astronomy and Astrophysics (A & A). No previous knowledge of A & A is necessary, although familiarity with the basic principles of mathematics and physics will be required.

We expect to have about 35 students participating in this school. The programme of the school will consist of lectures, covering fundamentals of A & A as well as recent developments in the field. The lecturers for the school will be drawn from the leading A & A centres in the country, so that the participants will get an exposure to the work being done in these fields. There is a possibility for a few motivated students, to spend an additional week at IUCAA after the school.

**Eligibility:** Students completing their 1st year M.Sc. (physics/applied mathematics/astronomy/electronics) or 3rd year B.E./B.Tech. in 2012 can apply. Exceptionally bright and motivated students completing their B.Sc. (physics) or second year B.E./B.Tech. or students of integrated M.Sc. - Ph.D. course (during the first two years) in 2012 may also apply.

**How to apply:** In plain paper, in the following format : 1. Name, 2. Gender, 3. Date of birth, 4. Address for communication (including e-mail), 5. Qualifications (class X onwards) with institution /year/ subjects/ class / grade / percentage of marks obtained, 6. Short write-up giving motivation for applying for the school, 7. Previous summer schools attended, if any, 8. Names and addresses of two referees (these referees should be teachers/project guides, et.al), and 9. Signature with date.

The applicants should request the above referees to send their confidential assessments/recommendations (not character certificates) under separate envelopes. Applications and referee reports should reach **The Administrative Officer (Core Programmes), IUCAA, Post Bag 4, Ganeshkhind, Pune 411 007** (e-mail: [aocp@iucaa.ernet.in](mailto:aocp@iucaa.ernet.in)), by January 25, 2012. The selected candidates will be informed by February 15, 2012, and they will be provided with travel, board and lodging for the duration of the school.

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## **VACATION STUDENTS' PROGRAMME**

IUCAA invites applications for the twenty-first Vacation Students' Programme (VSP). Students selected under the VSP will spend seven weeks at IUCAA to work on specific research projects under the supervision of the IUCAA faculty. The programme will conclude with seminar presentations of the projects by the participants, a written test, and an interview. Those who perform well will be pre-selected to join IUCAA as research scholars to do Ph.D. after the completion of their degree and other requirements.

Students who will enter the final year of the M.Sc. (physics/applied mathematics / astronomy / electronics)/B.Tech./B.E. courses in the academic year 2012 - 2013 are eligible to apply. Exceptionally bright students with academically proven track record of third year B.Sc. (physics/electronics), or second year B.Tech./B.E. or students of integrated M.Sc.-Ph.D. courses (during the first two years) may also apply.

Applications, in plain paper, giving the academic record of the applicant (including e-mail address) as well as two letters of recommendations from teachers, mailed directly, should reach The Administrative Officer (Core Programmes), IUCAA, Post Bag 4, Ganeshkhind, Pune 411 007 (email: [aocp@iucaa.ernet.in](mailto:aocp@iucaa.ernet.in)), by January 20, 2012. The selected candidates will be informed by February 15, 2012 for the programme to be held during May 7 - June 22, 2012.

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