PhD Positions in Astronomy

Call for Applications
Deadline: November 15th, 2006

MAX-PLANCK-GESELLSCHAFT

International Max Planck Research School for Radio and Infrared Astronomy at the Universities of Bonn and Cologne

A Marie-Curie Early Stage Training Site of the European Union

The International Max Planck Research School (IMPRS) for Radio and Infrared Astronomy at the Universities of Bonn and Cologne, funded by the German Max Planck Society, invites applications for its doctoral program. Located in Bonn and Cologne, Germany, the school offers a unique environment for graduate students in astronomy due to the proximity of the Max-Planck-Institut für Radioastronomie (MPIfR), the Argelander Institute for Astronomy of the University of Bonn (AIfA), and the I. Physikalisches Institut at the University of Cologne.
IMPRS offers a competitive PhD program, including lectures, seminars, and research projects supervised by scientists of the participating institutions. Individual thesis committees monitor the progress of the students. Successful completion of the IMPRS program will be honored with an IMPRS certificate which supplements the doctoral degree (PhD). The working language of the school is English.
PhD projects can be in both observational and theoretical astrophysics on the following topics:

Structure and Kinematics of AGN Jets · Galactic Masers: Nature and Application to Astrophysics · Intra-Day Variability · Infra-Red Interferometry of Disks and Jets of Young Stars · Very-Long-Baseline Interferometry Development · Interstellar Matter in Galaxies · Infra-Red Interferometry of AGN · Strong and Weak Gravitational Lensing · Galactic and Extragalactic Magnetic Fields · High Precision Astrometry · Envelopes of Evolved Stars · Radiative Transfer Modeling · Star Formation in the Milky Way and Other Galaxies · Astroparticle Physics · Supermassive Binary Black Holes in AGN · Observational Cosmology · Stellar Populations · Star Clusters · Satellite Galaxies · Galactic Dynamics

Students have access to a wide range of ground- and space-based observatories, including the unique 100-m radio telescope in Bad Münstereifel-Effelsberg and world class instruments in sub-millimetre astronomy. The MPIfR is one of the world centres for Very-Long-Baseline Interferometry, which uses a global network of radio telescopes. This call for applications is open, with closing date on November 15, 2006, for the program starting in mid 2007. An earlier start is possible in exceptional cases. Applications for the program are open to students from all countries. The applicants should have a master's degree or diploma in physics, mathematics, or closely related subjects. Candidates with a solid foundation in astrophysics will be favoured in the selection process.

More details on the IMPRS program and the admission requirements can be found at the IMPRS website:

http://www.mpifr.de/imprs/

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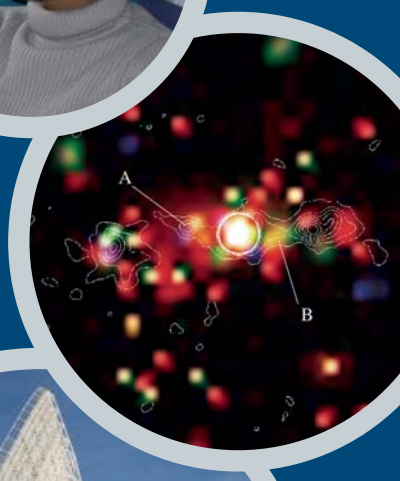

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