

Instrumentation software specialist for LBT-LUCI

Job Announcement Text:

The Astronomical Institute of the Ruhr-University Bochum invites applications for a post-doctoral position / software-specialist position to strengthen the team for building, commissioning, and maintaining the LUCI 1 + 2 near infrared instruments for the Large Binocular Telescope (LBT). The position needs to be filled as soon as possible. The successful applicant will work within the LUCI software team stationed at the Astronomical Institute of Ruhr-University Bochum, in close collaboration with the other German LUCI project teams. She/he will develop instrument control software, especially for the binocular mode using the twin LUCI 1 + 2 instruments, the adaptive optics modes of the LUCI instruments, the commissioning of LUCI 2, and the software for observing and observation preparation. The position includes the possibility to collaborate with the science teams at AIRUB for LUCI related science programs on stellar populations and feedback processes in galaxies and with the emerging astro-informatics group at AIRUB.

The appointment will be for two years, salary and social benefits are according to German TVL collective wage agreement for the public sector.

The successful candidate must have a PhD (or equivalent) in physics, astronomy, or computer science by the starting date. Candidates with lower academic degree in software engineering but significant practical experience are also encouraged to apply. A strong background in software development especially in the context of astronomical instrumentation is required. Experience in software development in JAVA and within a modern IDE is a strong plus. The candidates must also be familiar with working inside UNIX (Linux and Solaris) environments. A working knowledge of observational astronomy, as well as at least some "hands-on" experience with astronomical data is desired. The position will require frequent travel to team meetings inside Germany and Italy and for work visits at Steward Observatory Tucson and the Mount Graham observatory site. Proven ability to work at altitudes beyond 3000m would be useful.

The Ruhr-University Bochum encourages applications from women, minorities, and disabled persons.

Applications should consist of a curriculum vitae, a list of publications, and a brief description of relevant experience and research interests. All material should be submitted electronically before August 31, 2011 to Dr. Dominik Bomans ,re: LUCI software team, NA 7/29, Ruhr-University Bochum, 44801 Bochum, Germany (email: bomans@astro.rub.de).

Applicants should also provide for two contacts, who are willing to send letters of recommendation upon request.