Three Postdoctoral Positions Available at the Center for Gravitational Wave Astronomy in Pulsar Astrophysics, Dense Stellar Systems, and Relativistic Astrophysics

The Center for Gravitational Wave Astronomy (CGWA) at the University of Texas at Brownsville (UTB) invites applications for three separate postdoctoral positions:

1) Radio Pulsar Astrophysics: The focus of the pulsar astrophysics group at UTB is on the detection of gravitational waves using radio pulsar timing methods. The successful candidate will have experience in one or more of the following areas: pulsar searching, long term pulsar timing, and gravitational wave detection using pulsar timing.

2) Dense Stellar Systems Modeling: The astrophysics group focuses on the detection of gravitational waves from dense stellar systems and the study of the central black hole in the Galactic nucleus. The successful candidate will have experience in one or more of the following areas: evolution of massive stars, dynamical evolution of dense stellar systems, gravitational wave data analysis, and the detection of pulsars.

3) Relativistic Astrophysics: Applicants will be considered from a wide range of research specializations involving relativity, astrophysics, computational high energy astrophysics, etc., but special consideration will be given to applicants whose work is related to gravitational wave physics, and to the ongoing research at the CGWA (see below).

All positions are for one year, renewable for a one-year period, pending on continued financial support and satisfactory performance. The starting date for each position is Spring 2008 or earlier. We will be continuously reviewing applications from October 1st 2007 until the position is filled.

The CGWA began operation in January 2003 at The University of Texas at Brownsville. The center consists of eight faculty members (Matthew Benacquista, Teviet Creighton, Mario Diaz, Fredrick Jenet, Soumya Mohanty, Soma Mukerjee, Richard Price, and Joe Romano) with an additional faculty search currently ongoing; a complement of auxiliary faculty members; and about a dozen graduate students. Current activities of the CGWA include: i) Development of LIGO and LISA data analysis techniques, ii) LIGO detector characterization, iii) galactic binary system astrophysics, iv) black hole astrophysics, v) development of pulsar timing and gravitational wave detection techniques, and vi) gravitational wave astronomy education and public outreach.

Applicants should send a cover letter, a brief statement of research interests, and a curriculum vitae, and should arrange to have at least three letters of recommendation sent. The contact person for each position is

- Pulsar Astrophysics; Fredrick A. Jenet (merlyn@phys.utb.edu),
- Dense Stellar Systems; Matthew Benacquista (benacquista@phys.utb.edu)
- Relativistic Astrophysics; Richard Price (rprice@phys.utb.edu).

All materials should be sent as soon as possible to:

(Contact person listed above)
attn: Leslie Gomez
Center for Gravitational Wave Astronomy
The University of Texas at Brownsville
80 Fort Brown
Brownsville, TX 78520, USA.

The University of Texas at Brownsville is an Affirmative Action/Equal Employment Opportunity Employer, and all qualified applicants receive equal consideration in the selection process. We encourage applicants from members of traditionally under represented groups protected under the Title VII of the Civil Rights Act, Vietnam Era, and persons with physical disabilities.

14 Aug 2007