

Faculty and Postdoc Positions

National Precision Gravity Measurement Facility/CGE/HUST

National Precision Gravity Measurement Facility (PGMF) is a multidisciplinary research center, where scientists and engineers work on the frontiers of gravitational science and precision measurement physics. PGMF plays a significant role in the development of high precision gravitational measurement instruments and the acquisition of global gravity data. The PGMF proposal, led by Huazhong University of Science and Technology (HUST) has been formally approved by National Development and Reform Commission (NDRC) on May 5, 2015. The project construction has begun at the end of 2016, with the total investment of RMB 859 million in a five-year construction period. PGMF has three scientific research buildings with areas exceeding 60,000 square meters and a cave laboratory of 6,000 square meters, including research platforms such as AMO physics, precision measurement physics, Earth gravity measurement, sea/air gravity measurement, satellite gravity measurement, and geophysics.

PGMF is operated by the Center for Gravitational Experiments (CGE) of HUST. CGE has concentrated on precision measurement research since 1983. Until now, there are more than 350 faculty members and students in CGE. This research team was awarded NSF *Renovation Group*. CGE has made a series of internationally influential achievements in fundamental researches, such as gravitational constant measurement, photon rest mass measurement, Newton inverse square law test, Lorentz invariance test, etc.

Positions:

1. 20 Faculty positions (including professors, associate professors, researchers, associate researchers);
2. 30 Postdoctoral Researchers.

Research Fields of Interest:

Physics, Geophysics, Astrophysics, Mechanics, Mechanical Engineering, Instrumentation Science and Technology, Electrical Engineering, Computer Science, Automation, Precision Measurement Physics, Gravitational Physics, Theoretical Physics, AMO Physics, Space Physics, Condensed Matter Physics, System Analysis and Integration, **Micro-electromechanical Systems**, Machinery Manufacturing and Automation, Signal and Information Processing, Navigation, Software Engineering, Satellite Gravity, Seismology, Geodesy and related fields.

Requirements:

1. A PhD degree in closely related fields

2. Good independent research ability and collaborative skills
3. Detailed CV with description of research accomplishments, a research statement, a full published paper list and at least two reference letters sent to wuxiaoxue@hust.edu.cn

Salary and Benefits:

1. An excellent research platform.
2. Annual salary for postdoctoral researchers at RMB 200K-400K;
3. Annual salary for faculty positions at RMB 300k-500k. We offer star-up funding of RMB 500K-2M, and relocation fee of RMB 150K-500K.

**The salary is negotiable for outstanding talents and the candidates from national talent project list.*

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