

National Science Foundation International Research Experience for Students (IRES) Program



IRES: Collaborative Research Activities with China on Thermal and Fluid Transport in Fuel Cells

May 17 – July 09, 2010

Website: <http://me-ires.secs.oakland.edu>

BENEFITS:

Participants in this 8-week summer program receive:

- \$4,000 stipend and a small meal allowance.
- On-campus housing
- Up to \$1500 to offset the costs of travel to Beijing, China.

ELIGIBILITY:

- Undergraduate engineering students entering junior or senior year (graduating after December 2010) or graduate engineering students (graduating after December 2010)
- Minimum GPA 3.0 (undergraduate) and 3.25 (Graduate)
- Undergraduate students must have completed or currently be enrolled in a junior level fluid mechanics or heat transfer course
- Must be a U.S. citizen or permanent resident
- Women and minorities are strongly encouraged to apply. No prior research experience is required.

APPLICATION DEADLINE:

January 04, 2010

For application materials and more information, please visit:

<http://me-ires.secs.oakland.edu>

CONTACT:

Dr. Xia Wang

Program director

Dept. of Mechanical Engineering

Oakland University

Rochester, MI 48309

Phone: 248-370-2224

Fax: 248-370-4416

Email: wang@oakland.edu



This *International Research Experience for Students* (IRES) program is hosted by the department of mechanical engineering at Oakland University (OU) and the department of power engineering at Beijing Jiaotong University (BJTU) China. The *objective* of the IRES site is to annually provide five U.S. engineering students (4 undergraduates and one graduate) with the unique opportunity to spend **8 weeks** working on fuel cell collaborative research between Oakland University and Beijing Jiaotong University **in Beijing, China**. The research focus of this program is on the critical area of the water and thermal transport problems in fuel cells. Students will spend more than 7 weeks at BJTU.

Program highlights include:

- Students get paid to conduct fuel cell related research in China
- One-on-one interactions with both US and Chinese faculty mentors
- Interactions with international students
- Opportunity to explore Chinese culture
- Opportunity to improve communication skills
- Industrial and Research Lab tours
- Information about graduate school, engineering and research careers
- Leisure activities, including visits to the Great Wall, the Forbidden City, and the Summer Palace.

About OU: Oakland University is located in Rochester, MI, near the world headquarters and engineering centers of Chrysler, LLC., Ford Motor Co., General Motors Corp. as well as over one hundred automotive suppliers in southeast Michigan. <http://www.oakland.edu>

About BJTU: Founded in 1896, Beijing Jiaotong University is one of the oldest Universities in China. BJTU is a multidisciplinary national key university, covering a wide range of subjects in liberal arts, science, engineering and management. BJTU was one of the earliest universities authorized by the Chinese government to enroll overseas students and hence has considerable experience dealing with foreign students. <http://www.bjtu.edu.cn/en>