International Research Experience for Graduate and Undergraduate Students (IRES) on Biomass Processing Technology & Wind Turbine Aeromechanics

2019 Summer Intern Program:
Iowa State University offers an intensive 8-week international research experience program in Renewable Energy and Environmental Sustainability for graduate and undergraduate students. 4~6 fellowships are sponsored each year by National Science Foundation (NSF) as described in https://www.nsf.gov/awardsearch/showAward?AWD_ID=1826978. The students will be sent to the School of Renewable Energy of North China Electric Power University (NCEPU) in Beijing, China to carry out international collaborative researches for 8 weeks on the technical topics of pyrolysis-based biomass thermochemical conversion (i.e., Biomass Track) and wind turbine aeromechanics (i.e., Wind Track).

PROGRAM HIGHLIGHTS:
• Immersive international research experience on biomass thermochemical conversion & wind turbine aeromechanics.
• Short courses on Chinese language, culture and history.
• Field trips to Great Wall of China, Forbidden City, Summer Palace, and other famous Chinese historical sites.
• Networking with Chinese students, staff and faculty members at weekly “lunch and learn”.

APPLICATION FORM AVAILABLE AT THE PROGRAM WEBSITE:

APPLICATION DEADLINE: March 01, 2019.

STIPEND & EXPENSES COVERED
❖ The program starts June 02, 2019 and ends July 20, 2019.
❖ The program provides each student:
  • Up to $5,600 stipend.
  • Up to $2,000 travel expenses.
  • Up to $1,680 subsistence for meals, housing, health insurance & others.

ELIGIBILITY
All applicants must:
• Be a U.S. citizen or permanent resident of the United States.
• Completed Math, Physics, Thermodynamics, Aerodynamics courses.
• GPA > 3.2.

FURTHER INFORMATION
• Dr. Xianglan Bai for “Biomass Track”. Email: bxl9801@iastate.edu.
• Dr. Hui Hu for “Wind Energy Track”. Email: huhui@iastate.edu.

CHINESE HOST PROFESSORS:
• Dr. Yongqian Liu; Dr. Qiang Lu; Dr. Xiaodong Wang @ North China Electric Power University (NCEPU)
### Application Form for NSF-IRES Summer Internship on Biomass Processing Technology & Wind Turbine Aeromechanics

**Date of Application:** __________________________

**Applicant Name:** ____________________________  ____________________________

  *First*  *Last*

**Mailing Address:** ____________________________  ____________________________

  *Street*  *city, State*  *Zip code*

**Contact Information:** __________________________

  *Phone number*  *Email address*

**Education Experience:** __________________________

  *Institution Name*  *Major*

    *Current Status (Junior, Senior, MS, PhD)*  *Current GPA*

**Personal Information:** __________________________

  *USA citizenship or permanent resident?*  *Gender (male / female/other)*

Q1: Do you belong to any minority groups as defined by NSF? If yes, please explain.

Q2: Are you applying for the Internship on “Biomass track” or “Wind Energy Track”? Have you already finished relevant courses, such as Math, Physics, Thermodynamics and Aerodynamics, etc…?

Q3: Have you had any research experiences or received any training related to the track you are applying for?

Q4: Do you have any past “study abroad” experience or travel to abroad before? Do you have any past experience related to Chinese language or Chinese culture?

Please submit this form along with your Curriculum Vitae to

- *Dr. Xianglan Bai for “Biomass Track”. Email: bxl9801@iastate.edu*
- *Dr. Hui Hu for “Wind Energy Track”. Email: huhui@iastate.edu*