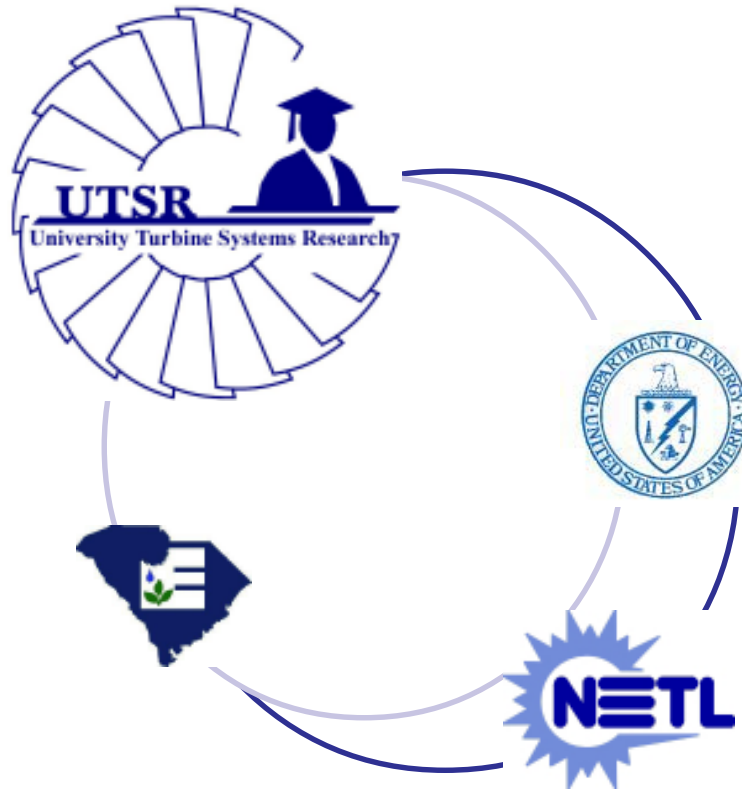


Gas Turbine Industrial Fellowship Program



2008 Fellowship Application

Applications Due: March 14, 2008

Sponsored by:

University Turbine Systems Research Program
South Carolina Institute for Energy Studies at Clemson University
U.S. Department of Energy/National Energy Technology Laboratory
<http://www.clemson.edu/scies/UTSR/index.htm>

UTSR Gas Turbine Industrial Fellowship Program

PROGRAM DESCRIPTION

The UTSR program is performing cutting edge research for the next generation of industrial gas turbines to enhance US energy security and provide a cleaner environment. The Gas Turbine Industrial Fellowship (GTIF) Program is a key part of the UTSR effort. GTIF provides graduating seniors and graduate level science and engineering students with the opportunity to conduct research, engineering and design projects at leading gas turbine industry sponsors (listed on page 3). Under the guidance of industry experts, selected students will complete a 10-12 week summer project in a variety of areas that include design, manufacturing, heat transfer, aerodynamics, combustion, thermodynamics, advanced materials and coatings, or test and evaluation. Students will prepare a final report and presentation on their project for distribution to the industry sponsors, posting on the UTSR website and presentation at the annual UTSR Peer Review Workshop in October. GTIF provides distinct benefits for anyone considering employment in the gas turbine industry or related field.

ELIGIBILITY

The GTIF program is open to students enrolled in PhD or MS programs, as well as students who will receive their BS in spring 2008, or spring 2009 in science or engineering at any accredited US college or university. Applicants must be students in good standing. **Applicants must be a US citizen or permanent resident alien and provide proof of citizenship or alien status with their application.**

SELECTION CRITERIA

Selections will be made on a competitive basis by the South Carolina Institute for Energy Studies. The applicant's selection will be based on academic record, aptitude and interest in the field of gas turbines or related technologies and the references provided with the application.

A maximum of 19 fellowships are anticipated this year (two each for GE, Parker Hannifin, Pratt Whitney, Siemens and Solar and one each for the other sponsoring companies). To increase the likelihood of your selection, you should indicate the maximum possible flexibility in the sponsoring companies that you're willing to work for on your application.

The actual number of fellowships awarded is at the sole discretion of the South Carolina Institute for Energy Studies and their decisions are final.

FUNDING

Fellows are paid a stipend at a rate of \$600 for junior year applicants; \$700, \$800, or \$900 per week for BS, MS or PhD candidates, respectively. A one-time allowance of \$1200 will be provided to offset round-trip travel and relocation expenses to the sponsoring company's location, where applicable.

Equal Opportunity Policy

It is the policy of the South Carolina Institute for Energy Studies to recruit and select participants without regard to race, age, gender, religion, color, national origin, mental or physical disability, or special disabled or Vietnam Era veteran status.

Gas Turbine Industrial Fellowship Sponsors

BP

Houston, TX
(Oil & Gas Company, Gas Turbine User)

Clean Energy Systems

Rancho Cordova, CA
(Advanced Energy Systems)

Duke Energy

Plainfield, IN
(Electric Utility, Gas Turbine User)

EPRI

Charlotte, NC
(Utility Research and Development)

ExxonMobil

Fairfax, VA
(Oil & Gas Company, Gas Turbine User)

General Electric Company

Schenectady, NY / Greenville, SC
(Gas Turbine Manufacturer)

Ingersoll Rand Energy Systems

Portsmouth, NH
(Microturbine Manufacturer)

Parker Hannifin

Cleveland, OH
(Fuel Systems and Components Design and Manufacturing)

Pratt & Whitney

East Hartford, CT / West Palm Beach, FL
(Gas Turbine Manufacturer)

Precision Combustion, Inc.

North Haven, CT
(Combustion Technology Supplier)

Siemens Power Generation, Inc.

Orlando, FL
(Gas Turbine Manufacturer)

Solar Turbines, Inc.

San Diego, CA
(Gas Turbine Manufacturer)

Woodward

Fort Collins, CO / Greenville, SC
(Manufacturer of Gas Turbine Control Systems,
Fuel Valves and Air Valves)

APPLICATION FORM

Academic Status as of April 2008: Jr Sr M.S. Ph.D. Cumulative GPA: _____

Requested Period: Start Date _____ End Date _____ Total _____ Weeks

Graduation Date: Month _____ Year _____ Degree: _____

1. Name: _____
(Mr. / Ms.) Last First Middle Initial Social Security # (required)

2. Current Address: _____

_____ (_____) _____
City State Zip Area Code Phone

email _____

3. Permanent Address: _____

_____ (_____) _____
City State Zip Area Code Phone

4. U.S. Citizen? ___ Yes ___ No If "No", Permanent Resident Alien Number _____

(Attach copy of birth certificate or PRA card with application)

5. Education (begin with current and list ALL colleges and universities attended)

College/University	Dates Attended	Major	Degree (Expected)
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_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

6. List computer languages with which you are familiar and your level of proficiency (excellent - fair)

_____	_____
_____	_____

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Mail application to / and for further information, contact:

South Carolina Institute for Energy Studies
UTSR Gas Turbine Industrial Fellowship Program
ATTN: **Misty Edwards**
400 Klugh Avenue, 200 Dillard Building, Clemson, SC 29634-5712
864.656.2267 PHONE 864.656.0142 FAX
misty@clemson.edu

7. Employment Record (begin with current)

Employer	Dates	Position/Rank	Nature of Work
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

8. Academic Honors or Awards _____

9. List two engineering references (name and affiliation) who you have asked to transmit recommendations on your behalf:

(1) _____ (2) _____

10. Indicate below, in order of preference, the Industrial Fellowship Sponsors (on page 3) that you would consider (to maximize your choice of being selected, indicate "ALL" in #4 choice):

(#1 choice) _____ (#3 choice) _____

(#2 choice) _____ (#4 choice) _____

11. Rank your order of preference for the areas that you wish to be involved:

Aerodynamics/Heat Transfer _____ Combustion _____ Materials _____

Design _____ Manufacturing _____ Test and Evaluation _____

12. I certify that all information (including transcripts) is valid and true to the best of my knowledge.

Date

Signature of Applicant

NOTE: For initial processing of this application, you may submit a copy of your transcripts -- but please have an official copy mailed as soon as possible.

Your application will not be valid unless an **official** version of your transcript is received by **March 14, 2008**.

IMPORTANT -- YOU MUST INCLUDE THE FOLLOWING:

- * Completed application
- * Official Transcript
- * Proof of eligibility
- * One-page description covering: (1) research/engineering interests and (2) your career objectives
- * Two sealed letters of recommendation