NOTICE of FILING of PERMANENT EMPLOYMENT CERTIFICATION

Instructions for federally-mandated internal posting:
Post this notice in a conspicuous location at the job site for 10 *business* days.

APPLIED THERMAL SCIENCES TENURE TRACK FACULTY POSITION
DEPARTMENT OF MECHANICAL ENGINEERING
COLLEGE OF ENGINEERING
COLORADO STATE UNIVERSITY

The Department of Mechanical Engineering at Colorado State University seeks new faculty interested in advancing the frontiers of knowledge in the applied thermal sciences with application to areas such as energy conversion and storage technologies, combustion, engines, alternative fuels, building energy use, and plasmas. This position is targeted for faculty entering at the Assistant Professor level, although exceptionally qualified applicants may be considered at a higher rank. Applications from female and minority candidates are strongly encouraged.

Position Description
This is a full-time position with a nine-month appointment, beginning in the Spring or Fall 2011 term. The successful applicant is expected to teach and develop undergraduate and graduate courses, advise undergraduate and graduate students, develop an externally funded program that includes support of graduate students, and participate in appropriate professional and university service activities.

Qualifications
Selected candidates must demonstrate (1) a strong commitment to scholarship, (2) the means and approach to the development of an externally funded research program, and (3) an enthusiastic desire to teach at both the undergraduate and graduate levels. Specifically, applicants must have:

- An earned doctorate (by start of appointment) in mechanical engineering or a closely-related discipline.
- Research and engineering experience in applied thermal sciences.
- Demonstrated ability or potential to develop a funded research program in the applied thermal science areas that complements our existing programs.
- Ability to teach and develop undergraduate and graduate courses in the Mechanical Engineering Department.
- Demonstrated personal and professional commitment to diversity as evidenced by involvement in teaching, research, creative activity, and service to the profession.

In addition, it is preferred for the applicant to have post-doctoral experience in an academic, government or industrial setting and have had experience with federal funding (NSF, DOE, etc.) agencies.

Departmental Background
The Mechanical Engineering Department has a strong portfolio of programs in the applied thermal sciences, including engines and energy conversion, combustion, fuels, and plasmas. Applicants with research interests complementary to the following departmental laboratory programs are especially encouraged to apply.

Engines and Energy Conversion Laboratory (EECL)
www.engr.colostate.edu/EECL/
The Engines and Energy Conversion Laboratory is a unique research/education program at Colorado State University with emphasis on engines, fuels, and energy conversion technology. The laboratory was established in 1992 and has grown to become one of the largest and most influential engines research programs in the United States. The 24,000 ft^2 laboratory has extensive facilities for testing of engines ranging from 1 hp to 2,500 hp. It is the only university laboratory in North America with capabilities for experimental research on engines of this scale. The EECL is widely recognized as an international leader in the fields of alternative fuels for automobiles, large engines for stationary power generation, characterization and mitigation of hazardous air pollutants in engines, small 2-stroke cycle engines for use in developing countries, computational fluid dynamic modeling of engines, and optical combustion diagnostics. The EECL is also involved in international technology development, aimed at reducing energy use and environmental impact from transportation, electric power production, and cooking/household energy. The EECL has been designated as one of CSU's 16 elite "Programs of Research and Scholarly Excellence."

Laser Applications, Materials, and Plasmas
A sustained multi-laboratory research program in the Mechanical Engineering Department is focused on (1) ion and plasma source technology applied to terrestrial and aerospace-based research topics, (2) physical and chemical vapor deposition of thin films for energy, tribological, and optical applications, and (3) laser, electrostatic, and magnetostatic diagnostic techniques for characterization of energetic plasma flow fields. Experimental infrastructure is in place in these laboratories for research programs in energy-related areas.

Application Process
The position is open until filled, but to assure full consideration, applications should be submitted by no later than September 30, 2010. The application package should contain the following in a single PDF document:

- Cover Letter
- Curriculum Vita (including list of publications)
- Statement of teaching, research, and diversity interests. (Please include how you would complement existing CSU engineering programs in these areas, maximum five pages.)
- The names, mailing addresses, phone numbers and email addresses of at least three professional references.

Applications should be submitted online at www.engr.colostate.edu/me/search/.

Questions about the position can be addressed to:

Prof. Allan Kirkpatrick (allan@engr.colostate.edu)
Chair, Faculty Search Committee
Department of Mechanical Engineering
Colorado State University
Fort Collins
USA 80523-1374

Colorado State University is an equal opportunity/affirmative action employer and complies with all Federal and Colorado State laws, regulations, and executive orders regarding affirmative action requirements in all programs. The Office of Equal Opportunity and Diversity is located in 101 Student Services Building. In order to assist Colorado State University in meeting its affirmative action responsibilities, ethnic minorities, women and other protected class members are encouraged to apply and so identify themselves.

Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.

This notice is being posted as a result of the filing of an application for permanent alien labor certification for the job description above.

Any person may provide documentary evidence bearing on this application to the Certifying Officer, U.S. Department of Labor, Employment and Training Administration, Atlanta National Processing Center, Harris Tower, 233 Peachtree Street, Suite 410, Atlanta, Georgia 30303 Telephone: (404) 893-0101 FAX: (404) 893-4642

A competitive recruitment and selection process was conducted for this employment opportunity and a U.S. worker was not selected. An application for Alien Employment Certification is being filed on behalf of an alien to fill the employment opportunity. Anyone with documentary evidence relative to the application, or available workers, wages and/or working conditions, may contact the Regional Certifying Office of the Department of Labor at the following address:

U.S. Department of Labor
Employment and Training Administration
Atlanta National Processing Center
Harris Tower
233 Peachtree Street, Suite 410
Atlanta, Georgia 30303
Telephone: 404-893-0101
Fax: 404-893-4642