Tenure Track Faculty Position
Department of Electrical and Computer Engineering
Colorado State University

Position Description

Working Title: Assistant or Associate Professor
Position Type: Faculty
Posting Number: 201600194F   Position Number: 020798.0001

Description of work unit:
Colorado State University is a land-grant institution encompassing 57 academic departments in 8 colleges, housing more than 75 majors. It is one of the fastest-growing research universities in the country, with annual research expenditures of nearly $300 million and an enrollment of over 32,000 students. Fort Collins is an attractive community of approximately 156,000 at the base of the Front Range of the Rocky Mountains, 65 miles north of Denver. The city is routinely recognized as one of the most desirable places to live in the United States. It consistently ranks high on quality of life measures by numerous publications; see http://www.fcgov.com/fcfacts.php?ID=6 for the complete list. The Front Range has developed into a high-technology hub with companies such as Agilent, HP, IBM, Intel, Keysight Technologies, Avago Technologies, AMD, Xilinx, Ball Aerospace, Lockheed Martin, Raytheon, and Northrop Grumman located in or near Fort Collins. The city offers a pleasant climate with excellent schools and abundant cultural and recreational opportunities nearby. More information on Fort Collins is available at www.visitfcollins.com.

The Department of Electrical and Computer Engineering has 28 faculty members, 350 undergraduates, and 250 graduate students. It has research programs in Communications and Signal Processing; Computer Engineering; Lasers, Optics, and Applications; Controls and Robotics; and Electromagnetics and Remote Sensing. The department participates in the CSU Information Science and Technology Center, the CSU-CHILL National Radar Facility, and the NSF Engineering Research Center for Collaborative Adaptive Sensing of the Atmosphere. It is home to the headquarters of the NSF Engineering Research Center for Extreme Ultraviolet Science and Technology. Many faculty in ECE hold courtesy appointments in the departments of Computer Science, Mathematics, Physics, and Statistics, and collaborate with faculty in these and other departments. Annual research expenditures are nearly $10M, and the department is ranked 23rd in the country based on citations to faculty research. More information on the department can be found at www.engr.colostate.edu/ece.

Tenure track: Yes

Open Posting Date: ASAP
Close Posting Date: 11/04/16, 11:59 P.M. (MT)

Number of vacancies: 1

Desired start date: 8/1/17

Position summary:
The Department of Electrical and Computer Engineering at Colorado State University, Fort Collins, invites applications and nominations for a tenure track faculty position at the assistant or associate level to start in Fall 2017. Research areas of particular interest include any area within the field of computer engineering. This nine-month, full-time position will carry a salary commensurate with qualifications.
New faculty members will be expected to teach undergraduate and graduate courses in computer engineering; advise graduate and undergraduate students; conduct innovative research; and provide service to the department, the university, and the professional community.

A successful candidate will have a doctorate in electrical engineering, computer engineering, computer science, or related discipline, by the start date of the position; the potential to develop a vibrant sponsored research program; the ability to effectively teach at the graduate and undergraduate levels; and the interest to serve the department, university, and professional community.

Applications and nominations will be considered until the positions are filled; however, applications should be received by December 1, 2016 to ensure full consideration. Applicants should submit a detailed resume, a two-page statement of research and teaching interests and goals, and names and contact information for at least three professional references at the following link: https://jobs.colostate.edu/postings/36863

Application materials of semifinalist candidates will be made available to all faculty in the Department of Electrical and Computer Engineering, and to selected faculty in the computer science, mathematics or statistics departments as appropriate.

Please address inquiries about the position to:
Professor Tom Chen, Search Chair
Department of Electrical and Computer Engineering
Colorado State University
Fort Collins, Colorado 80523-1373
Thomas.Chen@colostate.edu

ESSENTIAL JOB DUTIES
Teach courses in the area of computer engineering - Provide intellectual leadership and excellence in teaching undergraduate and graduate courses in computer engineering, and develop new courses at the graduate level within the candidate’s area of research focus.
40%

Research - Expected to lead a robust, internationally-recognized, externally funded research group. Includes submitting proposals to sponsors for funding, providing oversight, compliance, and completion of tasks on all funded awards; and provide oversight of Research Scientists, Research Associates, and students who may be working on research grants. Also expected to present research results at prestigious conferences and publish in leading peer-reviewed journals.
50%

Service and Outreach - Pursue scholarly activities, serve the academic community, and contribute to university outreach. Serve on department, college, and university level committees where appropriate.
10%

Required qualifications:
A PhD degree in electrical engineering, computer engineering, computer science, or related discipline, by the start date of the position. Research focus in any areas within the field of computer engineering.

Preferred job qualifications:
Assistant professor:
    Potential for a strong, internationally recognized research program.
Potential to garner external support.
Strength of publication record commensurate with experience, including number, impact, and quality of publications.
Complement/expand upon the department’s current research and teaching activities.
Potential for continued extraordinary scholarship.
Teaching and mentoring potential and enthusiasm.

Associate professor:
Existing strong, internationally recognized research program.
Demonstrated ability to garner external support.
Strength of publication record commensurate with experience, including number, impact, and quality of publications.
Complement/expand upon the department’s current research and teaching activities.
Potential for continued extraordinary scholarship.
Teaching and mentoring experience and enthusiasm.

Condition for Employment:
Colorado State University (CSU) strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, CSU conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.

Commitment to Diversity and Inclusion:
Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department’s commitment to diversity and inclusion.

Colorado State University does not discriminate on the basis of race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

Search Contact: Tom Chen, thomas.chen@colostate.edu

Quick Link for Posting: https://jobs.colostate.edu/postings/36863

Required documents:
1. Two-page statement of research and teaching interests and goals
2. Curriculum vitae
3. List of three professional references

Optional documents:
1. Cover letter, one-page maximum