Notice

This notice is being provided as a result of the filing of an application for permanent alien labor certification for the job opportunity described below. Any person wishing to comment may provide documentary evidence to the Certifying Officer, U.S. Department of Labor; Employment and Training Administration; Office of Foreign Labor Certification; 200 Constitution Avenue NW, Room N-5311; Washington DC 20210.

Asst Professor-Asst Scientist in Artificial Intelligence and Machine Learning

The University of Kansas (KU) Department of Electrical Engineering and Computer Science (EECS) and the Institute for Information Sciences (I2S) seek outstanding individuals for a joint tenure/tenure-track position at the rank of Asst/Assoc Professor, Asst/Assoc Scientist in Electrical Engineering with a focus on Artificial Intelligence and Machine Learning. Successful candidates are expected to contribute to the development of academic programs and contribute to the research community. Applicants are expected to have an earned doctorate, or equivalent, in Computer Science, Computer Engineering, Electrical Engineering, or a closely related field at the time of appointment. Applicants are expected to develop and sustain a research program focusing on foundational research of an interdisciplinary nature. Applicants focusing on machine learning and data mining are encouraged to apply. The expertise of interest includes, but is not limited to, artificial intelligence, big data analytics, design and optimization of deep learning and neural networks, software/hardware implementation of machine learning algorithms, data science, and their applications in science and engineering. Applicants pursuing research in areas that are synergistic with KU's recent Research Rising efforts on Securing Our Worlds: Physical, Digital, Social are preferred. EECS is the largest department in the KU School of Engineering with 37 faculty members and a research volume of over $6 million per year. Faculty engage in research projects across multiple areas of interest through the department, the Institute for Information Sciences (I2S), the Center for Remote Sensing and Integrated Systems (CReSIS), and the KU Medical Center. The EECS department offers undergraduate and graduate degrees in electrical engineering, computer engineering, computer science, and interdisciplinary computing. The department has approximately 1,000 undergraduate and 250 graduate students. The KU School of Engineering has added new faculty lines over a five-year period and has expanded research and teaching facilities. I2S is a University of Kansas designated research institute that advances knowledge and creates innovative technologies in cybersecurity, telecommunications, information systems, bioinformatics, and radar. I2S is one of the largest research institutes at the University of Kansas, with state-of-the-art facilities supporting various multidisciplinary inquiries. I2S-affiliated faculty members have served as federal program directors at NSF, DARPA, and NASA. The labs within I2S have computing resources, facilities for layout and construction of RF/radar systems, and programming expertise, which are supported by dedicated technical staff. I2S recently received support from the NSA to improve security for the Internet of Things, becoming one of only six universities selected to host an NSA lablet.

Job Description: 50%: Electrical Engineering and Computer Science (EECS), Asst/Assoc Professor (Tenure/Tenure-Track): Teaching (20%), Research (20%), Service (10%). 50% I2S Asst/Assoc Scientist: Research (40%) Service (10%). Combined Job duties for this position as follows: 60% Perform and conduct research in the research centers/laboratories associated with the department. Establish a strong research agenda in areas of expertise that overlaps, supports, or expands the current research in the department, leading to external grant support and publication in recognized refereed journals and conference proceedings. Collaborate with faculty and professional staff on KU campuses. 20% Teach undergraduate and graduate courses in the Electrical Engineering and Computer Science department. Participate in undergraduate and graduate student academic advising. Mentor graduate students in research and serve as the major advisor and chair of Master's and Doctoral level thesis committees. 20% Perform Department, School, University and professional service activities normally expected of university faculty commensurate with rank. Participating in local, national and international professional conferences and other activities appropriate to the discipline. Perform other duties as assigned by the Department Chair.

Required Qualifications:

1. Earned doctorate in Computer Science, Computer Engineering, Electrical Engineering or a closely related field at the time of appointment.
2. Expertise in artificial intelligence, big data analytics, design and optimization of deep learning and neural networks, software/hardware implementation of machine learning algorithms, data science, and their applications in science and engineering.

Reply to:
Dr. Erik Perrins
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