Syracuse University

K.G. Tan Endowed Chair Professor of Artificial Intelligence - Full Professor

Job #: 077983
Location: Syracuse, NY
Pay Range: $160,000 - $222,700
Hours: Determined by Department Chair
Job Type: Full-time

Job Description:
Syracuse University's Department of Electrical Engineering and Computer Science (http://eecs.syr.edu) in the College of Engineering and Computer Science (https://eng-cs.syr.edu) seeks a top scholar in the field of Artificial Intelligence (AI) to serve as the inaugural K.G. Tan Endowed Chair Professor.
Kwang G. Tan is a pioneer in computing, having started by building functional units for IBM in the early 1960s. Tan received his doctorate from Syracuse University in 1973 supported by the IBM residence program. Recognized for his contributions he was selected for important leadership positions at IBM and later at HP. The K.G. Tan chair should reflect Dr. Tan's pioneering spirit applied to the field of AI.

Qualifications:
An earned Ph.D. in electrical engineering, computer engineering, computer science, or relevant fields, and outstanding academic credentials commensurate with appointment at the level of Full Professor with tenure. Early career candidates who are commensurate with an appointment at the level of Associate Professor with tenure but show exceptional potential may also apply.

Job Specific Qualifications:
Candidates must have a strong interest in research and teaching and should be effective at collaborating and leading initiatives with other faculty. Candidates must have demonstrated experience of building a strong externally funded research program. Demonstrated excellence for leading large research projects and building strong University collaborations with University, Government, and Industry partners is preferred. Candidates who have a demonstrated track record in mentoring women and underrepresented groups in EECS are strongly encouraged to apply.
We strongly encourage candidates' applications with a demonstrated commitment to diversity, inclusion, and excellence in both teaching and research. Syracuse University is a Carnegie R1 (highest research activity) ranked university that "aspires to be a pre-eminent and inclusive, student-focused research university."

Responsibilities:
Potential areas of expertise for the K.G. Tan Endowed Chair Professor include machine learning algorithms, natural language processing, computer vision, generative AI, with an emphasis on explainable AI, addressing aspects of security, privacy, ethics and fairness. Collaboratively designed AI approaches spanning the hardware and software stack and at different levels of complexity from TinyML to Large Language Models, particularly in the context of, multi-agent, decentralized learning and lifelong learning concepts. Neuromorphic systems, systems that emulate neural processes, and other biologically inspired systems to create efficient and adaptable AI systems. AI applications of interest include, but are not limited to human-robot collaboration, manufacturing and supply chain (i.e., Industry 4.0), medical imaging and diagnostics, autonomous driving and unmanned autonomous vehicles, addressing societal challenges including climate change and public health.

About Syracuse University:
Syracuse University is a private, international research university with distinctive academics, diversely unique offerings and an undeniable spirit. Located in the geographic heart of New York State, with a global footprint, and nearly 150 years of history, Syracuse University offers a quintessential college experience. For more information, please visit www.syracuse.edu.

To apply, visit https://apptrkr.com/5704896