

Assistant Professor - Radar Systems and Remote
Sensing
University of Kansas

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Posted Oct. 3, 2025, set to expire Jan. 31, 2026

Job Title	Assistant Professor - Radar Systems and Remote Sensing
Department	Department of Electrical Engineering and Computer Science
Institution	University of Kansas Lawrence, Kansas
Date Posted	Oct. 3, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Electrical and/or Electronics
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Assistant Professor - Radar Systems and Remote Sensing Electrical Engr & Comp Science

Position Overview

The University of Kansas (KU) Department of Electrical Engineering and Computer Science (EECS) seeks outstanding individuals for a full time, tenure-track position at the rank of Assistant Professor in Radar Systems and Remote Sensing. Successful candidates will have research that demonstrates

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strong potential for collaboration with existing faculty and complements the department's current strengths. We are particularly interested in exceptional individuals with expertise in areas such as hardware prototyping; advanced concepts (e.g. MIMO, agile waveforms); high level system design; miniaturization (optimizing Size Weight and Power SWaP); radar signal processing in both real-time and post product generation; remote sensing application and backscatter analysis; system-level characterization, predictive performance analysis, trade studies, and system-of-systems engineering; radar tracking & fusion; high-power systems, components, and RF/analog/digital interface requirements and design; clutter/interference cancellation (e.g. STAP); digital array design and concepts (dual-polarized, conformal, multi-band, ultra-wideband, reconfigurable, calibration); radar spectrum engineering & sharing; software-defined RF systems (RF-SoC, SDR) for real-time/cognitive sensing; propagation, clutter, radar cross-section, nonlinear RF simulation & modeling; complex waveform design; shipboard/airborne (including unmanned vehicles)/space-based radar; networked and distributed concepts; imaging & target identification; cognitive sensing; synthetic aperture systems (SAR/ISAR/InSAR); moving target indication (GMTI/AMTI/DMTI) systems; ground/foilage/obscurant penetration; sense-thru-the-wall; collision avoidance; multi-function concepts (e.g. dual-function radar/comm), millimeter-wave systems; and/or spectrum/electronic warfare, electronic protection, electronic support. The successful candidate must be eligible to work in the U.S. by the effective date of appointment. Experience with ITAR/export controlled and/or classified research for the US government is preferred.

EECS is the largest department in the KU School of Engineering with 42 faculty members and a research volume of over \$13 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 (CRISIS), and the KU Medical Center. The EECS department offers undergraduate and graduate degrees in electrical engineering, computer engineering, computer science, cybersecurity engineering, and applied computing. The department has approximately 1,100 undergraduate and 300 graduate students.

The University of Kansas is the state's flagship university, an R-1 institution and one of just 66 invited members of the prestigious Association of American Universities (AAU). Our university consistently earns high rankings for academics and recognition as a premier research university (engaging in \$275 million of externally funded research annually).

KU has 21 programs ranked in the U.S. News & World Report top 25 among public universities. KU has 65 ranked graduate programs and is ranked 24th in best value among public institutions in 2022. KU offers 5,000 courses, 400 degree and certificate programs, and more than 200 fields of study. The University values global engagement with more than 150 programs of international study and

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cooperative research and offers more than 130 study abroad programs. Student enrollment for the Lawrence-Edwards was 23,958 representing all 50 states and 112 countries.

Job Description

At KU we make it our mission to educate leaders, build healthy communities, and make discoveries that change the world. We aspire to be an exceptional learning community that lifts each other and advances society. KU's strategic plan Jayhawks Rising is focused on objectives to accomplish this vision through three mission-based priorities of student success, healthy and vibrant communities, research, and discovery. KU's excellence is a result of the rich tapestry of experiences, perspectives, and backgrounds of our faculty, staff, students, and colleagues from across our nation and the globe. At KU, we invest in continuous learning and growth by creating a climate where people engage in respectful dialogue and debate, and support each other's success. We foster a culture of care where each person is seen, heard and valued. When people feel a true sense of belonging, we believe they are better able to reach their full potential and achieve remarkable things.

40% Teaching- 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.

40% Research- 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% Service- 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, or equivalent, in electrical engineering, computer engineering, computer science, or a closely related scientific or engineering discipline by the time of appointment.
2. Demonstrated potential for teaching undergraduate and graduate courses at the university level.

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3. Expertise in broad areas of radar and remote sensing, including, but not limited to: system engineering, hardware prototyping, miniaturization, signal processing, software-defined RF systems, high-power systems, synthetic aperture systems, and spectrum engineering and sharing.

Contact Information to Applicants

Erik Perrins, eeecs_search@ku.edu

Additional Candidate Instruction

A complete online application will include the following PDF files: 1) letter of application, 2) curriculum vitae, 3) a statement of research interests and plans, 4) a statement of teaching interests and plans, and 5) contact information (including email addresses) for three individuals who can provide letters of recommendation.

Review of application materials begins November 1, 2025 and will continue until a qualified pool of applicants is received.

Application Review Begins

01-Nov-2025

Anticipated Start Date

18-Aug-2026

Position Number

00004006

Primary Campus

University of Kansas Lawrence Campus

FTE

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Reg/Temp

Regular

Advertised Salary Range

Commensurate with experience

Employee Class

F-Faculty

Disclaimer

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability, status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the university's programs and activities. Retaliation is also prohibited by university policy. The following person has been designated to handle inquiries regarding the nondiscrimination policies and is the Title IX coordinator for all KU and KUMC campuses: Associate Vice Chancellor for the Office of Civil Rights and Title IX, civilrights@ku.edu, Room 1082, Dole Human Development Center, 1000 Sunnyside Avenue, Lawrence, KS 66045, 785-864-6414, 711 TTY.

To apply, visit

<https://sjobs.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?partnerid=25752&siteid=55398>

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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Contact

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