Tenure-Track Faculty Position in Cybersecurity Engineering - 988204
Kent State University

Job Title	Tenure-Track Faculty Position in Cybersecurity Engineering - 988204
Department	College of Aeronautics and Engineering
Institution	Kent State University
	Kent, Ohio
Date Posted	Sep. 6, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Lecturer/Instructor
Academic Field(s)	Computer Engineering
	Computer Science
Apply Online Here	https://jobs.kent.edu/jobs/search/faculty
Apply By Email	
Job Description	

Tenure-Track Faculty Position in Cybersecurity Engineering - 988204

The College of Aeronautics and Engineering (CAE) at Kent State University invites applications for a full-time tenure-track (9 months) position in Cybersecurity Engineering. Successful candidates will be expected to support the University's *Kent State Works Initiative* to grow our portfolio of workforce development programs in cybersecurity, while also increasing our research footprint in cybersecurity of engineered systems. Areas of interest that represent synergistic research opportunities in the college are: cybersecurity applications for engineered systems including RF signal processing; digital project lifecycle management of mechatronics systems; industrial control systems and critical infrastructure;

automation systems; energy systems; unmanned aerial vehicle systems; air traffic control and airspace management systems; and space systems. Externally funded research projects as well as workforce development projects and related cybersecurity engineering projects in one or more of these areas are expected of the successful candidate.

The Cybersecurity Engineering program in CAE is a recent addition to the engineering programs in the college with an emphasis on integrating a cybersecurity mindset using best practices to secure critical infrastructure and engineered systems with cyber-informed engineering principles, as outlined in the Department of Energy Idaho National Labs. Furthermore, the dynamic college administration and faculty are looking forward to candidates who will advance engineering education through these integration initiatives to provide the best-in-class educational experiences to our students.

The successful tenure track candidate will be expected to develop a nationally recognized externally funded research program in one or more of the areas identified; teach and develop courses at undergraduate and graduate levels in cybersecurity as applied to engineered systems in industrial control systems, aeronautics, mechatronics, advanced air mobility, and mechanical systems; supervise research students across all levels; and participate in collegiate and professional service activities. The successful candidate would be expected to embrace collaborative activities within the college as well as across the university and to engage meaningfully with the centers in the college, including the Center for Advanced Air Mobility (CAAM) and the Digital Engineering Design Center (DEDC-Space@Kent).

Kent State University and the College of Aeronautics and Engineering are committed to creating and fostering an environment that celebrates diversity of culture, beliefs, identity and thought, thereby encouraging an inclusive environment for all.

Candidates are encouraged to visit the CAE website to better understand the values, programs, and research of the college. Please visit https://www.kent/edu/cae

Tenure-Track Faculty Position in Cybersecurity Engineering - 988204
Kent State University

Duties & Responsibilities

- Expected to establish a nationally recognized research program with significant external funding in cyber security. Alignment of research interests with KSU goals is expected.
- Teaching responsibilities include undergraduate and/or graduate courses in cybersecurity as applied to engineering systems in industrial control systems, aeronautics, mechatronics, advanced air mobility and mechanical systems.
- Research activities include externally funded research and workforce development projects in cybersecurity applications for engineering systems including RF signal processing, digital project lifecycle management of mechatronics systems, industrial control systems and critical infrastructure, automation systems, unmanned aerial vehicle systems, air traffic control systems, and space systems.
- All faculty are expected to contribute service within the department, college, university, and community. KSU and CAE value diverse perspectives and seek applicants who are committed to helping students from underrepresented backgrounds succeed.

Required Competencies

- Excellent written and oral communication skills, including evidence of the ability to teach, inspire, and mentor students.
- Effective interpersonal skills, including the ability to collaborate effectively with faculty, staff, and students.
- Ability to work with and engage diverse students and colleagues within and outside the CAE.
- Ability to collaborate with other engineering faculty members to infuse cybersecurity into the curriculum and all aspects of the research activities in engineering systems.

Minimum Requirements

- Earned PhD in Computer Science, Computer Engineering, Electrical Engineering, or a closely related field with a research focus in the broad area of cybersecurity
- Successful completion of a Standard Criminal History Background Check

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the US and to complete the required employment eligibility verification form upon hire.

Tenure-Track Faculty Position in Cybersecurity
Engineering - 988204
Kent State University

Preferred Qualifications

- Record of involvement in seeking and administering extramural research funding, especially at the federal level
- Experience working on individual and collaborative multi-disciplinary research teams
- Experience in a postdoctoral research position or industry experience after completion of the bachelor's degree
- A strong record of high-quality peer-reviewed publications related to cybersecurity
- Teaching experience at the undergraduate and/or graduate level

To Apply

To ensure full consideration, applications must be be submitted by close date and must include the following materials:

- Cover letter
- Professional vita or resumé
- Copies of all college transcripts, unofficial copies are acceptable. Please note that comprehensive research statement of the candidate's research plans and how that research will align with CAE and KSU missions. The plans may include reference to completed work if appropriate but should be forward-looking.
- A teaching statement outlining teaching experience, teaching philosophy, and student outreach and mentoring activities
- Contact information for three references who can attest to the candidate's qualifications for this position.

Position is open until filled.

Contact Information

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

Tenure-Track Faculty Position in Cybersecurity Engineering - 988204
Kent State University

Contact

,