

Tenure-Track Assistant or Associate Professor in the
Department of Electrical Engineering/Applied Research
Lab
Pennsylvania State University

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Posted Feb. 6, 2025, set to expire Jun. 4, 2025

Job Title Tenure-Track Assistant or Associate Professor in the
Department of Electrical Engineering/Applied
Research Lab

Department

Institution Pennsylvania State University
University Park, Pennsylvania

Date Posted Feb. 6, 2025

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Associate Professor

Academic Field(s) Electrical and/or Electronics

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Job Description

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**Tenure-Track Assistant or Associate Professor in the Department of Electrical
Engineering/Applied Research Lab**

The Department of Electrical Engineering within the College of Engineering (COE), Penn State Center of Excellence in Directed Energy (CEDE), and Applied Research Lab (ARL) at The Pennsylvania State University invite applications for a tenure-line faculty position in Electromagnetics with emphasis on High Power Microwaves and Optics located in State College, Pennsylvania. This position provides a unique opportunity to serve as a bridge between the COE and ARL and Penn State's vibrant climate research community, fostering interdisciplinary collaborations and contributing to impactful research towards national security. This appointment is at the assistant or associate professor rank and begins

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in July of 2025 at the University Park campus with the tenure home in the Department of Electrical Engineering.

We are interested in candidates who bring experience in high power microwave antennas, optical system design, metamaterials, and AI & machine learning approaches in RF and optical modeling. Furthermore, candidates who bring interdisciplinary approaches to a broad set of topics in electromagnetics and optics including: computational electromagnetics, multiphysics modeling, hybrid RF/mechanical metamaterials (e.g., those based on compliant mechanisms). Faculty candidates at both the associate and assistant professor rank will be expected to teach undergraduate and graduate courses; conduct cutting-edge research; supervise and mentor graduate students; actively pursue external funding to support research activities; engage in service activities at the college and university levels as well as in professional societies; and collaborate with faculty across the university and industry partners.

Candidates at both the associate and assistant professor rank must hold a PhD in electrical engineering, optical sciences, physics, or a related field before their appointment start date at Penn State. Candidates at both ranks should have a strong record of scholarly achievement, service, and demonstrated success in external funding. The successful candidate will assume a key role in Directed Energy research within CEDE and is co-funded through the Applied Research Laboratory. The successful candidate should be a collaborative leader who will promote and enhance excellence and innovation in research between COE and ARL. Furthermore, the successful candidate will develop new optics courses within the Department of Electrical Engineering. The successful candidate must be able to obtain and maintain a DoD Security Clearance.

The College of Engineering is strongly committed to a diverse community and to providing a welcoming and inclusive environment for faculty, staff, and students of all races, genders, and backgrounds. The college is committed to making good faith efforts to recruit, hire, retain, and promote qualified individuals from underrepresented minority groups including women, persons of color, diverse gender identities, individuals with disabilities, and veterans.

Interested candidates should submit an online application at [Penn State's Job Posting Board](#), and should include a cover letter with information about their interests and qualifications for the position. They will also include a description of their i) research accomplishments and plans, ii) approach to teaching, iii) and their commitment to inclusion and belonging. Provide the iv) applicant's curriculum vitae and v) contact information for at least three professional references. Candidates may combine their descriptions into one cover letter and combine all file(s) into one document prior to uploading.

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Please note that system limitations allow for a total of 5 documents (5mb per document) as part of your application. Please combine materials to meet the 5-document limit.

Review of applications begins immediately and will continue until the position is filled.

Penn State is committed to and accountable for advancing diversity, equity, and inclusion in all its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity, and engage all individuals to help them thrive. We value inclusion as a core strength and an essential element of our public service mission.

Apply online at https://psu.wd1.myworkdayjobs.com/PSU_Academic/job/Penn-State-University-Park/Tenure-Track-Assistant-or-Associate-Professor-in-the-Department-of-Electrical-Engineering-Applied-Research-Lab_REQ_0000063737-1

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Contact Information

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

Contact

N/A

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