

Assistant Professor in Structures
University of Maryland, College Park

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Posted Nov. 11, 2024, set to expire Mar. 12, 2025

Job Title	Assistant Professor in Structures
Department	ENGR-Civil & Environmental Engineering https://cee.umd.edu/
Institution	University of Maryland, College Park College Park, Maryland
Date Posted	Nov. 11, 2024
Application Deadline	Open until filled
Position Start Date	August 2025
Job Categories	Assistant Professor
Academic Field(s)	Structural Engineering Civil Engineering
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Job Description

The University of Maryland's Department of Civil and Environmental Engineering (CEE) invites applicants for a tenure-track Assistant Professor position in Structural Engineering. We are seeking applicants with expertise in one or more of the following focus areas: Conventional and advanced structural materials, including reinforced concrete structures, FRP composites, as well as high-performance, adaptive, self-healing, and hybrid materials; Constitutive models for evolving concrete and reinforcement materials; Sustainable materials, structures, and engineering practices applied to concrete; Additive manufacturing for civil infrastructure using concrete, reinforced concrete, or composites; Evaluation and repair of deteriorated infrastructure.

Candidates in other structures-related areas are also encouraged to apply. Demonstrated experimental

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research experience, including large-scale testing, is desirable.

The successful candidate will teach structures-related courses as part of the appointment. Candidate should be committed to high-quality teaching for a diverse student body. Ideal applicants will also have experience and/or demonstrated interest in community engagement, equity, and/or social justice in their research and/or teaching. The successful candidate is also expected to actively participate in service, both within the university and externally.

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The A. James Clark School of Engineering at the University of Maryland serves as the catalyst for high-quality research, innovation, and learning, preparing our students to create innovations that will address the 21st century Grand Challenges (e.g., energy, environment, security, and human health) and improve the human condition. The Clark School is dedicated to leading and transforming the engineering discipline and profession, to accelerating entrepreneurship, and to transforming research and learning activities into new innovations that benefit millions.

The department of Civil and Environmental Engineering (www.cee.umd.edu) as a part of the James A. Clark School of Engineering hosts vibrant education and research programs. To address our charge of tackling the grand challenges of our time, Civil and Environmental Engineering has undergone a dramatic reorganization that effectively eliminates academic silos and rather focuses on three broad interdisciplinary pursuits — transportation and mobility, environment and health, and infrastructure. Each has a strong and direct connection to University of Maryland's grand challenges and facilitates scholarship that supports a better understanding of society's relationship with the natural and built environment. The undergrad curriculum has been rebuilt from the ground up to expand inclusivity and ensure civil and environmental engineers graduate with the critical thinking skills to address 21st-century problems. The department of Civil and Environmental Engineering hosts a series of centers including Center for Advanced Transportation Technology (CATT), Maryland Transportation Institute (MTI), Center for Disaster Resilience (CDR), and Digital and Cyber Railway Engineering and Operations Center (DCREOC). The State of Maryland and the University System of Maryland has shown continued support for our mission and the protection of academic freedom.

The dynamism occurring in the department, the college, and the university is immense. Our university president, Darryll Pines, just closed a \$1.5B capital campaign focused on transforming the student experience and supporting scholarship on the grand challenges of our time – climate change, poverty reduction, disease, and racial injustice. Our College of Engineering dean, Samuel Graham, was hired on the vision of removing academic silos and rewarding faculty based on their impact on students and society. A recent \$220 million donation by a department alum to the College of Engineering will lead to a world-class research facility and office space (Zupnik Hall) for the Department of Civil and Environmental Engineering by 2026, along with numerous faculty hires in the coming years.

EEO/AA Policy

Founded in 1856, University of Maryland, College Park is the state's flagship institution. Our 1,250-acre College Park campus is just minutes away from Washington, D.C., and the nexus of the nation's legislative, executive, and judicial centers of power. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research entities, embassies, think tanks,

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cultural centers, and non-profit organizations is simply unparalleled. Synergistic opportunities for our faculty and students abound and are virtually limitless in the nation's capital and surrounding areas. The University is committed to attracting and retaining outstanding and diverse faculty and staff that will enhance our stature of preeminence in our three missions of teaching, scholarship, and full engagement in our community, the state of Maryland, and in the world.

Contact Information

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

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