

Ph.D. Position in Cementitious Composites and Concrete
Materials
University of Maryland, College Park

Direct Link: <https://www.AcademicKeys.com/r?job=262804>

Downloaded On: Nov. 6, 2025 11:09am

Posted Sep. 21, 2025, set to expire Jan. 21, 2026

Job Title	Ph.D. Position in Cementitious Composites and Concrete Materials
Department	Department of Civil & Environmental Engineering
Institution	University of Maryland, College Park College Park, Maryland
Date Posted	Sep. 21, 2025
Application Deadline	Oct. 15, 2025
Position Start Date	Fall 2026
Job Categories	Graduate Student
Academic Field(s)	Structural Engineering Mining/Minerals Material/Metallurgy Civil Engineering

Apply By Email

Job Description

The Department of Civil and Environmental Engineering at the University of Maryland, College Park, invites applications for two Ph.D. graduate research assistant positions in the area of civil engineering materials.

Requirements and expectations:

The positions are for full-time graduate students pursuing a Ph.D. degree in Civil Engineering. Highly motivated individuals with a research background in construction materials, cementitious composites, inorganic binders, sustainable concrete, and 3D concrete printing are encouraged to apply. Candidates holding a Master's degree in Civil Engineering, Structural Engineering, Material Science, or closely related areas are preferred. Priority will be given to applicants with a strong research background,

**Ph.D. Position in Cementitious Composites and Concrete
Materials**
University of Maryland, College Park

Direct Link: <https://www.AcademicKeys.com/r?job=262804>

Downloaded On: Nov. 6, 2025 11:09am

Posted Sep. 21, 2025, set to expire Jan. 21, 2026

hands-on laboratory experience, and a proven publication record in cement-based materials, multi-scale material characterization, and sustainable concrete design. The ideal candidates should demonstrate the ability to conduct independent research while effectively collaborating within a multidisciplinary team.

Support:

A full research assistantship, including tuition coverage and a competitive stipend, will be provided. Students will join a collaborative and supportive research environment and contribute to cutting-edge investigations in novel cementitious binders, cement chemistry, ultra-high-performance concrete, and additive manufacturing. The research laboratory is equipped with a variety of advanced instruments for materials synthesis and multi-scale characterization.

About the institution:

The University of Maryland, College Park, is a public land-grant research university and the flagship institution of the University System of Maryland. It ranks #44 nationally and #17 among public universities according to the latest 2025 U.S. News & World Report. In Forbes' 2025-26 rankings of America's Top Colleges, the University of Maryland ranks #10 among public universities. According to U.S. News & World Report, the A. James Clark School of Engineering at the University of Maryland ranks #16 in the nation, and the Department of Civil and Environmental Engineering ranks #20. The campus of the University of Maryland is located in College Park, Maryland, just outside of Washington, D.C., fostering unique opportunities for research collaborations and industry partnerships.

To apply:

Interested applicants should email a detailed Curriculum Vitae (CV) and transcript(s) in a single PDF file to Dr. Jianqiang Wei (jqwei@umd.edu) with an email subject of "Ph.D. Position Application". The positions are immediately available, and preference will be given to applicants who can start in Spring 2026 or Fall 2026. To receive full consideration, applications should be received by October 15, 2025. Applications will be reviewed on a rolling basis until the positions are filled, and only shortlisted candidates will be notified.

Contact Information

Ph.D. Position in Cementitious Composites and Concrete
Materials
University of Maryland, College Park

Direct Link: <https://www.AcademicKeys.com/r?job=262804>

Downloaded On: Nov. 6, 2025 11:09am

Posted Sep. 21, 2025, set to expire Jan. 21, 2026

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

Contact Dr. Jianqiang Wei
Department of Civil & Environmental Engineering
University of Maryland
College Park, MD 20742

Contact E-mail jqwei@umd.edu