



Department of Civil, Environmental & Infrastructure Engineering

Volgenau School of Engineering

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Graduate Research Assistantship Announcement
George Mason University
Department of Civil, Environmental and Infrastructure Engineering

George Mason University Department of Civil, Environmental, and Infrastructure Engineering <http://civil.gmu.edu> invites applications for its Ph.D. Programs in the following areas:

Transportation Engineering: The faculty is engaged in state-of-the-art research in transportation planning, travel behavior, traffic engineering, operation and management, urban environment, and transportation economics. Graduate applicants with background in civil engineering, operations research, mathematics, or other closed related disciplines will be considered. Previous research experience in transportation and/or exceptional programming skills is an advantage. Point of contact: Dr. Shanjiang Zhu szhu3@gmu.edu

Geotechnical Engineering: The faculty research focus is in experimental studies, concentrating at present on the use of sustainable materials and geosynthetics for highway and retaining wall applications, field instrumentation, ground improvement (biological, chemical, and physical methods), and landslide characterization/prediction/forecasting with field observations and using remote sensing and GIS tools. Graduate applicants with previous experimental laboratory studies or advanced soil behavior modeling will be given a high priority. Point of contact: Dr. Burak Tanyu btanyu@gmu.edu

Water Resources Engineering: The faculty research concentrates in areas related to hydrology, hydroinformatics, hydrodynamics, coastal engineering, systems analyses, flood risk, GIS, climate variability, planning and management, natural hazards and other interdisciplinary research areas. Graduate applicants with background in geospatial analyses, numerical modeling, system analyses or other closely related interdisciplinary aspects of water resources engineering will be considered. Point of contact: Dr. Celso Ferreira cferreir@gmu.edu

Funding: Research programs at GMU are typically funded by National Science Foundation, Federal and State agencies, and industry partners. Opportunities in the forms of fellowship, graduate research assistantships, or graduate teaching assistantships are available for qualified Ph.D students. Funding typically covers tuition, health benefits, and monthly stipend for living expenses. Funding will initially be for 9 to 12 months (depending on the position) and is renewable each year for up to four years based on satisfactory performance and progress.

Application: Applicants are expected to have completed their bachelor's and/or master's degrees in civil engineering or in complementary disciplines. For study in the fall 2013, applications will be reviewed beginning November 30, 2012. Admission for study in January 2014, will also be considered. Application begins at <http://volgenau.gmu.edu/admissions/graduate.php>

George Mason University (GMU) is the largest university in the State of Virginia, and is located in the affluent northern Virginia suburbs of Washington D.C. The university leverages its strategic advantages from its proximity to federal, state and local agencies; as well as its enviable connections with private industry.