

Assistant Professor, Data Analytics and Geodetic Engineering

Department of Civil, Environmental and Geodetic Engineering
The Ohio State University
Columbus, OH

The College of Engineering at The Ohio State University seeks applications to fill a tenure-track faculty position at the level of Assistant Professor rank in Data Analytics and Geodetic Engineering within the Department of Civil, Environmental and Geodetic Engineering.

The desired expertise for this position include, but is not limited to: applied geodesy, navigation and time keeping, data generation, processing, integration, analysis, modeling and decision support, with special emphasis on (1) geospatial modeling and implementation of advanced technologies based on multi-sensory and multi-dimensional data from current and future geodetic and remote-sensing systems, such as the Global Navigation Satellite Systems; (2) enhancements of sensor technologies to improve precision, resolution and stability. This position is partially funded by The Ohio State's Discovery Themes Initiative, a significant faculty hiring investment in key thematic areas in which the university can build on its culture of academic collaboration to make a global impact.

The Department of CEGE currently has 22 faculty members supporting ABET-accredited degree programs in Civil and Environmental Engineering, 118 graduate and 848 undergraduate students, and numerous funded multidisciplinary research programs (see <http://ceg.osu.edu/> for more information about the Department).

The Ohio State University, a land-grant university, is ranked 19th among US universities in total research expenditures. Also, it is third in the nation among all universities in industry-funded research expenditures, with nearly half of this research conducted in the College of Engineering. OSU is located in Columbus, which is the 15th largest city in the country with a metropolitan population of 1.8 million. Columbus offers a high quality of life, with affordable housing in vibrant neighborhoods, quality public schools, and economic prosperity. It is a city that celebrates diversity and is consistently rated as one of the best places to live in the country for African-Americans, members of the LGBT community, and families. Columbus was named the 2105 Intelligent Community of the Year by The Intelligent Community Forum (ICF), the New York-based think tank.

The successful candidate is expected to develop an active research program, effectively teach undergraduate and graduate courses of interest to the Department of Civil, Environmental, and Geodetic Engineering, supervise graduate and undergraduate students, and be involved in service within the university and appropriate professional communities. The successful candidate is also expected to interact and collaborate with members of multi-disciplinary centers and initiatives at The Ohio State University, including the Center for Urban and Regional Analysis, Center for Resilient Economy, Office of Energy and Environment, Institute for Reliable and Resilient Infrastructure (being formed to consolidate the multifaceted endeavors on the OSU campus related to sustainability), School of Earth Sciences, City and Regional Planning, Byrd Polar Research Center, and the campus-wide interdisciplinary initiative expanding faculty expertise in data analytics. An earned doctoral degree in Geodesy, Geomatics Engineering, Remote Sensing or a closely related field is required prior to the anticipated start date of **August 2016**.

In order to apply, please submit your application electronically in the form of a single PDF file attached to an e-mail message addressed to eng-cege-geodeticsearch@osu.edu. The PDF file must include, in this

order, a cover letter; curriculum vita; statements of research and teaching interests; the names and contact information of three references; and copies of up to three papers (published, under review, or in preparation). Review of applications will begin on **December 15, 2015** and continue until the position is filled.

Commitment to Diversity and Inclusion:

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF ADVANCE Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, or protected veteran status. The Ohio State University is an EEO/AA employer and an NSF ADVANCE Institution.