



THE OHIO STATE UNIVERSITY  
COLLEGE OF ARTS AND SCIENCES

**Department:** School of Earth Sciences  
**Position:** Faculty position in Geodesy  
**Rank:** Open rank (Assistant or Associate Professor preferred but Full Professor possible)

**Description:** The School of Earth Sciences (SES) seeks a geodesist who will complement existing faculty in its Division of Geodetic Science (DGS). We seek either (1) a physical geodesist, whose research is mostly focused on the theoretical and computational aspects of physical geodesy, who will also teach courses in intermediate and advanced physical geodesy as well as a class in at least one other area (e.g. harmonic analysis, airborne gravity, orbital mechanics, etc.), (2) a geodesist who specializes in 4D geodetic imaging, developing techniques as well as applications, who can teach an introductory course in geodesy, plus a technique-focused and an application-focused course in their own specialty, or (3) a geodesist whose research includes the application of artificial intelligence (AI), machine learning (ML)/deep learning (DL) to geodetic problems, who can teach courses on basic and advanced adjustment theory, and develop a new course on AI/ML/DL theory and methodologies applied to geodesy. We are especially interested in candidates with a track record in interdisciplinary research in areas such as physical geodesy, space and satellite geodesy, mathematical geodesy, geodynamics, space physics and climate change research. There will also be opportunities for joint research involving all areas of Earth science (e.g., within SES, and in collaboration the Byrd Polar and Climate Research Center, the Global Water Institute). DGS geodesists have established a major collaboration with researchers in Ohio State's Department of Mathematics. Another attraction is a growing community of AI and Big Data researchers across campus.

**Qualifications:** This appointment will begin August 15, 2022, and the successful applicant must have PhD in hand in a geodesy or relevant field, by the start of the appointment. ABDs are welcome to apply. Evidence of a strong research trajectory and teaching experience are preferred. As a campus with a continuously growing diverse student body, we encourage applications from women, and under-represented minorities. Demonstrated experience in inclusive pedagogy and in mentoring members of under-represented groups is desirable. Demonstrated interest in interdisciplinary research and collaboration is also desirable. Appointment is contingent on the university's verification of credentials and other information required by law and/or university policies, including but not limited to a criminal background check.

**About Columbus:** The Ohio State University campus is located in Columbus, the capital city of Ohio. Columbus is the Midwest's fastest-growing city and the nation's 14<sup>th</sup> largest city. Columbus offers a diverse array of welcoming neighborhoods and a vibrant arts and culture scene. Additional information about all that the Columbus area has to offer is available at <https://visit.osu.edu/experience>.

**Application Instructions:** Apply to Academic Jobs Online at: <https://academicjobsonline.org/ajo/jobs/20861>. A complete application consists of a cover letter, curriculum vitae, research, teaching, and diversity statements, and a list of three references. In the diversity statement, please address commitment to diversity, equity and inclusion that highlights goals for advancing equity and inclusion in research, teaching and/or outreach and engagement. Review of applications will begin on January 28, 2022 and will continue until the position is filled. Inquiries may be directed to Professor Michael Bevis at [bevis.6@osu.edu](mailto:bevis.6@osu.edu).

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. Over the next few years, The Ohio State University is committed to welcoming 350 new faculty hires, many of which will contribute to growing our role as a premier research university equipped to answer and interrogate the critical domestic and global societal challenges that deter equality and inclusion. The university is a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC).

*The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.*