Assistant Professor Position in Spatial Data Science
Target Date for Applications: 15 October 2019

Position Description: The Department of Geography at the University of Colorado Boulder invites applications for an Assistant Professor level tenure-track position in Geographic Information Science (GIScience) with specific focus on environmental or social applications of Spatial Data Science, beginning in August 2020.

We seek candidates whose work advances the frontiers of spatiotemporal analytics and geographic data science in creative and novel ways to drive emerging questions involving change and dynamics, and in the interplay between human and environmental systems, as related to natural hazards or climate, natural or human resources, public health, demography, urbanization, or other questions at the nexus of human-natural dimensions of environmental change. The successful candidate has a strong foundation in GIScience, current and emerging methods in statistics, data science, and/or machine learning, and can demonstrate a commitment to interdisciplinary research in and beyond the geographical sciences.

The Department of Geography sponsors a vital undergraduate certificate in GIS and Computational Science in collaboration with the Computer Science Department. The Department also plays a key role in Earth Lab, a synthesis center for Earth systems research that aims to accelerate data-driven discovery (https://www.colorado.edu/earthlab/), with a strong focus on leveraging remotely-sensed geospatial data. Interest in spatiotemporal analysis, dynamic modeling, data science and computational GIScience is high across the College of Arts & Sciences and campus as a whole. The ideal candidate will be motivated to interact with colleagues across a broad array of disciplines.

As part of the normal three courses per year teaching expectation, the successful candidate will rotate regularly into three existing courses: Introductory GIScience, Basic Statistics and Advanced Quantitative Methods at least every other year. The candidate will teach an upper division elective in spatiotemporal analysis for undergraduate and graduate students. The candidate will also regularly teach a graduate level seminar on a research topic of their choosing and congruent with student demand and department needs. There is also the potential to align teaching with an interdisciplinary professional certificate / degree in Earth Data Analytics blending data science and Earth systems knowledge, which is run through Earth Lab.

This is a full-time, nine-month position. Research and service to the university are also components of the regular workload for all faculty. All requirements for the Ph.D. in Geography or a cognate discipline, else in Computer Science or in Informatics with demonstrated relevance to spatial data and spatial analysis must be completed by August 2020.

Applications are accepted electronically at https://jobs.colorado.edu/jobs/JobDetail/?jobId=20553 and should include an application letter, a curriculum vitae, up to three relevant reprints of publications, evidence of teaching effectiveness, and 1-2 page statements of research and teaching plans. Also provide the names and e-mail addresses of three professional references. The search committee will solicit letters from these individuals. Applications received by 15 October 2019 will receive full consideration; and the review of applications will continue until the position is filled.

The University of Colorado Boulder is committed to building a culturally diverse community of faculty, staff, and students dedicated to contributing to an inclusive campus environment. We are an Equal Opportunity employer, and we encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at hr-ada@colorado.edu. See http://geography.colorado.edu for more information about the geography department at CU.

For further information and inquiries, please contact Professor Barbara Buttenfield (babs@colorado.edu).