



The K-State Globe

Department of Geography and Geospatial Sciences, Kansas State University

2 December 2024

Departmental Events

Faculty Meeting: 6 December (Friday) at 3:00-4:30 pm, Seaton 1069.

Departmental Holiday Party: 11 December (Wednesday) from 10:00 am–2:00 pm in Seaton 1069.

Weekly Geography Faculty Coffee Hour: 4 and 11 December at the Students Union, 8/8:15 am.

Recognition

Bimal Paul was named a Fellow of the American Association for the Advancement of Science (AAAS).

Employment Opportunities

Prairie Engineers (PE), Washington IL, is seeking an experienced GIS Analyst to join the PE team! Looking to make a lasting impact want wants people who embrace challenges, drive change, and help shape our collective future. The PE wants GIS Analysts to perform data management and mapping projects primarily in support of federal, state, and local government projects. Prairie Engineers is a growing and progressive company. The candidate can expect mentoring, guidance, and the chance for professional development whether you are in management or technical services. PE offers remote, hybrid, and office work environments with competitive salaries and benefits. Education requirement for the position bachelor's degree in Geographic Information Systems, Geography, Planning, Environmental Science, Engineering, Computer Science, Geology, Biology, or a related field. Knowledge includes proficiency with Esri ArcGIS Pro or desktop. Experience: 1+ years developing geodatabases, map generation, and data visualization. Communication: Good verbal and written skills. Ideals: Professional, positive attitude with strong work ethic. Teamwork: Ability to work both independently and as part of a team. Responsive: Communicate openly, proactively, and promptly. Travel: Willingness to travel to meet project requirements. What the candidate might add includes experience: 5+ years of related work experience, fieldwork component. Certifications: GISP. Knowledge: Asset management principles Check out the Careers page at prairieengineers.com to find out why our employees chose Prairie and the generous benefit offerings available. All qualified individuals will receive consideration for employment without regard to race, color, religion, age, sex (including gender identity, sexual orientation and pregnancy), national origin, disability, genetic information or any other legally protected status. Potential candidates for this position should fill out an application found at prairieengineers.com and submit it with a cover letter and resume via e-mail to jobs@prairieengineers.com. Applicants must be

authorized to work for any employer in the U.S. The PE is unable to sponsor or take over sponsorship of an employment visa currently.

The **Department of Earth, Environmental, and Planetary Sciences (DEEPS)** at **Northwestern University** invites applications for a continuing Assistant Professor of Instruction position. The appointee will teach six courses annually, spread over three quarters, including introductory and advanced-level courses, and contribute to building curriculum within the DEEPS program. DEEPS seeks a scientist with core strength in geographical information systems (GIS). In addition to teaching GIS courses, the successful candidate will teach other courses in their field of expertise. Areas of particular interest include ecology, hydrology, geomorphology, climate, urban systems, ecosystem health, or geohazards. This is a benefits-eligible, full-time, teaching track, continuing appointment starting September 1, 2025. A Ph.D. degree is required at the start of the appointment. Preference will be given to candidates with demonstrated expertise in working with diverse student communities and a record of effective teaching. To ensure full consideration, please submit application materials by December 16th. Review of applications will begin at that time and continue until a candidate has been identified. Questions regarding the position should be sent to Prof. Patricia Beddows (p-beddows@northwestern.edu). Application packages must include a cover letter, CV, list of 3 references including contact information, a 2-page teaching statement describing teaching goals, methods, and strategies, and may optionally include a Teaching Portfolio of materials that demonstrate dedication and excellence in teaching. Applications will only be accepted electronically through DEEPS online portal at <https://tinyurl.com/NU-DEEPS-FacultySearch2024>.

The **Department of Geosciences at Fort Lewis College** is seeking a new tenure-track Assistant Professor of GIS. This position covers undergraduate courses across the flourishing GIS Certificate Program, and helps to coordinate the program, advises certificate-seeking students, and engages in research or applications of GIS. The GIS certificate courses serve students across our liberal arts college so inter-disciplinary thinking and teaching approaches are encouraged. The candidate 1) teaches a full load (~12 contact hrs/semester for research-active faculty), including both introductory and advanced GIS courses; 2) assists in the coordination of the GIS Certificate Program; 3) maintains currency in their field through professional development, conference attendance, and engagement in scholarly activities; 4) participates in program development and assessment particularly as applied to the GIS Certificate Program, curriculum planning, and outreach to prospective students and professional GIS organizations; and 5) demonstrates a commitment to diversity, equity, inclusion, and student success, as well as working with broadly diverse communities. Requirements include 1) PhD in Geography, Geosciences, Environmental Science, or related field. ABD will be considered; 2) Mastery of ESRI's ArcGIS Pro; 3) Minimum of 4 years of experience using and/or teaching GIS and related topics; and 4) A demonstrated commitment to diversity, equity, inclusion, and student success, as well as working with broadly diverse communities. Go here for more information and to apply: [MORE INFO](#)

The **Department of Geosciences** and the School of the Environment at **Boise State University** invite applications for a non-tenure-track Teaching Faculty at the Assistant Professor Rank, with expertise in Geospatial teaching and analyses. Qualified candidates should demonstrate prior success and future potential in teaching excellence at the undergraduate and graduate levels, as well as a willingness to engage in program development. In their application materials, candidates should demonstrate and articulate how they plan to contribute to existing geospatial program strengths and develop courses that would support multiple degree programs across several colleges. The new hire will have the opportunity to contribute to existing geospatial programming, expand the breadth of geospatial training opportunities for undergraduate and graduate students, and partner with a group of interdisciplinary faculty and staff to refine existing and develop new geospatial programming opportunities. The successful candidate for this position will have a primary appointment in the Department of Geosciences

and a joint appointment in the School of the Environment. More specifically, this position will have a 70% appointment in the Department of Geosciences and a 30% appointment in the School of the Environment. As such they will contribute to the key undergraduate and graduate training needs in both units and participate in growth of geospatial training opportunities through curriculum and program development. The primary duties and workload distributions of this position include the following: Minimum qualifications: A PhD in natural or social sciences, engineering, or a related field; or a master's degree in natural or social sciences, engineering, or a related field combined with 8 years of teaching or professional experience with GIS. A record of teaching experience related to spatial analysis, spatial data management, cartography, or related topics (e.g. university-level course instruction, leading professional workshops, developing and implementing standardized geospatial methods and systems across companies/organizations/agencies, etc.). Required application materials: 1) Cover Letter that explicitly states the candidate's potential contributions to the Department of Geosciences and School of the Environment; 2) Curriculum Vitae, which includes employment history (include dates of employment), experience with courses taught, publications and other data products (i.e., datasets, code, maps, etc.), leadership roles and responsibilities (e.g. program development or leadership), mentorship of students, and professional activities including service; 3) Teaching Statement (four page maximum) that addresses the "Preferred Qualifications" above including a description of the candidate's teaching and mentoring experiences, plans for an introductory GIS course suitable for students from multiple degree pathways (i.e., approach to design, topics, delivery, and assessments), plans for courses or programs that will provide students with essential skills for careers using GIS, and teaching evaluation summaries if available; 4) An example product that demonstrates GIS expertise or GIS teaching experience; and 5) Contact information (email address and phone number) for three referees. Position will close for new applicants on December 5, 2024. For questions regarding this position, please contact Dr. Dorsey Wanless (dwanless@boisestate.edu) and Dr. Kevin Feris (kevinferis@boisestate.edu)

College of Integrated Science and Engineering at James Madison University, Harrisonburg, VA seeks two positions in Applied Environmental Science and Sustainability. Each position will be teaching load will be three courses per semester, equivalent to 60% of a faculty member's effort, with support for diverse research and scholarship activities. Primary teaching assignments will include courses with an emphasis on global environmental issues, basic chemistry, ecology, and pollution of air, water, and land at the introductory (ISAT 100, 112, and/or 160), intermediate (ISAT 320 and 321) and upper levels (400-level concentration courses). The college encourages faculty to propose and develop courses in their specific areas of expertise. It will support opportunities to teach courses in Geography, and at the graduate level through MS-ISAT. For more information about ISAT capstone projects and examples of past projects, please see: <https://www.jmu.edu/cise/isat/research.shtml>. The college encourages candidates with broad environmental training and diverse skill sets to apply. Experience as an environmental professional beyond academia—e.g., industry, consulting, government, or the non-profit sector—is valued, but not required. Candidates must possess one of the following: 1) A Ph.D. in an environmentally relevant academic field by August 2025 is required for tenure-track appointments; and 2) A Master's degree and significant professional experience in an environmentally relevant field is required for renewable term appointments (RTAs). Successful candidates must also demonstrate: 1) A commitment to engaged learning, innovative pedagogies, continuous improvement, and inclusive practices in the context of undergraduate education and mentoring; 2) Ability and enthusiasm to teach a wide variety of courses within the ISAT-Environment and Sustainability concentration, especially, and including foundation level general education courses. Examples of the latter include ISAT 100, 112 and 160. Some of these courses are offered as large sections. More advanced courses include ISAT 320/321 and 400-level concentration courses.; 3) Strong potential for developing an active scholarly program that augments the strengths of the ISAT program and is accessible to a diverse student body; and 4) A

strong interest in getting involved with and helping to steer program and unit-level shared governance at all stages of their career. To apply, please visit: <https://jobs.jmu.edu/jobs/assistant-professor-in-applied-environmental-science-and-sustainability-two-positions-harrisonburg-virginia-united-states>.

The **Department of Geography and Geology** at the **University of Wisconsin-Stevens Point** (UWSP) invites applications for a tenure-track Assistant Professor with broad training in physical/environmental geography and expertise in the teaching and application of geospatial technologies. The successful candidate will contribute to undergraduate programs in Community Sustainability and Geospatial Science and developing future curricula for a growing program. Faculty are responsible for a 12-hour teaching load per semester. Primary responsibilities for this position include teaching introductory-level physical geography, environmental sustainability, remote sensing, and GIS courses, as well as upper-level courses in geospatial science. These may include cartography, spatial modeling, geospatial data science, and/or courses within the candidate's expertise. The position is based at the Stevens Point campus and involves courses primarily taught in person, but there is a possibility of teaching assignments at the Wausau or Marshfield campuses, and of online or hybrid courses. In addition to teaching, faculty members serve as advisors/mentors to students and are encouraged to engage students in undergraduate research or other scholarly and creative activities. Service responsibilities include committee work at the departmental, college, and university levels as well as participation in professional or community organizations relevant to the candidate's expertise. The successful candidate must demonstrate commitment to teaching with an emphasis on promoting the success of undergraduate students, clear evidence of scholarly potential, adherence to the principles of inclusivity, and serving as an active member of the university community. This position and instructions on how to apply are located on our [website](#). Please be sure to complete all required fields and include all required documents before submitting your application. To return to a draft application, click on the My Activities link at the top of the screen after logging in. Once you click on Submit Application, you will not be able to edit or attach any application materials. After submitting the application, you will receive an Application Confirmation email from the application system. Applications received by 1/05/2025 are ensured full consideration. Applications received after that date may be given consideration at the discretion of the search committee. Application materials will be evaluated, and the most qualified applicants will be invited to participate in the next step of the selection process. Incomplete and/or late application materials may not receive consideration. Please include the following documents: 1) Cover letter addressing qualifications and experience; 2) Resume/Curriculum Vitae; 3) Contact information for three (4) professional references; and 5) Unofficial Transcripts/Official Transcripts (Official Transcripts may be required of finalist). Required Qualification includes Ph.D. degree (ABD considered) in Geography, Environmental Science, Geospatial Sciences, or a related field.

The **Department of Geography and Environmental Studies** in the College of Science and Engineering at **Central Michigan University** (CMU) invites applications for a tenure-track Assistant Professor of Sustainability beginning August 2025. The successful applicant will be committed to excellence in teaching, research, and service and will provide mentoring for students in the award-winning Central Sustainability program. The Department is looking for a colleague who embraces a holistic and systems-based approach to sustainability, understanding the importance of integrating both natural and social sciences to creatively implement sustainable solutions. The successful candidate will have the opportunity to teach at all undergraduate levels in the Department's Sustainability, Environment, and Society Major. While there are opportunities to engage in interdisciplinary graduate education, teaching, research, and mentoring are focused on undergraduate students, offering a rewarding opportunity to shape the next generation of sustainability leaders. Areas of research and teaching specialization may include but are not limited to 1) sustainability policy and management, 2) applied sustainability solutions for communities, 3) environmental justice and social vulnerability, 4) climate change impacts,

resilience, and/or adaptation, 5) expertise in energy, waste, food, water, transportation, or other sustainability areas. The Department encourages candidates from diverse research backgrounds; however, the successful candidate is expected to have an appreciation for the Department's breadth of programs in Geography, GIS, Planning, and Sustainability and the geographic tradition of cross-disciplinary approaches and collaboration. Required Qualifications: 1) A doctoral degree in geography, sustainability, environmental studies, planning, or relevant fields (must be completed prior to the start date); 2) Strong verbal and written communication skills; 3) Demonstrated or strong potential for undergraduate teaching and mentorship; 4) Commitment to fostering diversity, equity, inclusion, justice, and belonging in the workplace; and 5) The ability to perform the essential function; and s of the job with or without reasonable accommodations. Submit an on-line application at <https://www.jobs.cmich.edu/postings/41651> to be considered for this position. Cover letters may be addressed to the Hiring Committee. Questions may be addressed to Dr. Matthew Liesch, Department Chairperson. Applications must include a CV, cover letter, statement of teaching philosophy, statement of research including your philosophy on mentoring undergraduate students, evidence of teaching effectiveness, contact information for three references, and copies of academic transcripts. As part of the cover letter, we invite candidates to describe their experiences engaging in a diverse student body. Reference checks will occur for finalists. You must submit an online application to be considered as an applicant for this position. Position will be open until filled, with priority given to applications submitted by December 2, 2024.

The EcoTran Lab in the **Department of Geosciences at Auburn University** is seeking a highly motivated and creative postdoctoral researcher to join the team. Working with Dr. Luyu Liu, the candidate will focus on cutting-edge projects aimed at improving sustainable transportation networks using advanced computational techniques, data analysis, and artificial intelligence. It seeks candidates specializing in the following empirical topics: sustainable transportation (including public transit, biking, shared mobility, and walking), urban resiliency (e.g., urban heat and air pollution exposure), and mobility equity. It also desires candidates with skills in advanced programming, spatial data science, GIS, and GeoAI. The candidate's research will contribute to the development of sustainable, smart, and resilient urban transportation systems. This is a 1-year contract job with possible extensions based on need, funding, and performance. Key responsibilities include: 1) Conduct original research on public transit performance and travel behaviors; 2) Develop and maintain large-scale public transit database; 3) Write and maintain Python and R codebase for transit routing and GIS operation automation; 4) Generate and write grant proposals with Dr. Liu on various topics, and 5) Work with undergraduate and graduate students. Interested candidates should submit the following documents: 1) A detailed CV; 2) A 2-page cover letter outlining your research interests and future in 2 years; 3) Academic transcripts Contacts of three academic references; 4) Code sample or link to your GitHub/GitLab profile; and 5) Two writing sample of your previous research work. Review of applications will begin November 15th and continue until the position is filled.

The GeoIDEA (Geospatial Innovation, Development, and Environmental Applications) Lab in the **Department of Geosciences at Auburn University** in Auburn, AL is seeking a highly motivated Postdoctoral Research Fellow to commence in January 2025 or soon thereafter. The GeoIDEA Lab is comprised of a vibrant group of interdisciplinary students and researchers and is directed by Dr. Stephanie Rogers. The initial appointment will be for one (1) year, with an opportunity for renewal pending successful annual reviews and continued funding support. The successful candidate will be expected to oversee existing funded projects, as well as develop their own research directions within the context of the overarching goals of the lab. The candidate will be encouraged to mentor undergraduate and graduate students and participate in outreach events. Key responsibilities include: 1) Conduct

original research in intersecting areas of: GeoAI, GIScience, wastewater infrastructure, water quality, and social vulnerability; 2) Publish high-quality scientific journal articles; 3) Participate in the preparation of funding proposals; 4) Participate in field data collection initiatives; 5) Mentor undergraduate and graduate students; and 6) Participate in outreach events. Review of applications will begin November 15th and continue until the position is filled. Interested candidates should submit the following documents: 1) A detailed CV; 2) A 2-page cover letter discussing your qualifications and outlining your research interests; 3) Academic transcripts; 4) Names and contact information for three academic references; and 5) Two writing samples of your previous research.

The **Department of Geography & the Environment** at **California State University, Fullerton**, invites applications for a tenure track Assistant Professor position in Geography with a specialization in Native American Studies with an appointment to begin Fall 2025. The Department seeks an environmental and/or physical geographer who uses geographic lenses to expose students to Native American studies and communities. Areas of specialization could be but are not limited to: traditional ecological knowledge, environmental change, wildlife management, wildfires and fire management, tribal national parks and sanctuaries, water use and rights, natural resource management, impacts of resource extraction, land use conflicts, social- and/or environmental- justice, or social and/or biophysical impacts of climate change, critical physical geography, public-participatory GIS (PPGIS), community and indigenous mapping, public-and-engaged scholarship (PES), community geography, and Participatory Action Research (PAR). Regional focus must be what is today the United States, including Alaska, Hawaii, native nations, unceded lands, and dependent territories. Required Qualifications include Ph.D. in Geography, with a specialization in Native American studies. ABD may apply but must have degree completed prior to start date and an interest in working with Native American/Indigenous students and/or communities. A complete online application must be received by electronic submission to be considered. To apply, please visit <http://hr.fullerton.edu/careers/Faculty.php>, choose full-time faculty, search for the position 542365, and provide the following required materials: 1) cover letter in which you respond to the required qualifications; 2) curriculum vitae; 3) research statement; 4) teaching statement; 5) teaching evaluations, if available; and 6) candidate statement on commitment to inclusive excellence. The statement shall address one or more of the following criteria: 1) The candidate has acquired knowledge of barriers for underrepresented students and faculty in higher education; 2) The candidate has experience in and is committed to engaging in service with underrepresented populations in higher education; 3) The candidate has experience in and is committed to teaching and/or mentoring underrepresented students in a higher education environment; 4) The candidate has experience integrating underrepresented populations and communities into scholarly and creative activities; and 5) A list of three references with relevant contact information. Semi-Finalists must submit three letters of recommendation. Please direct all questions about the position to: Trevis Matheus at tmatheus@fullerton.edu or call 6572783685.

Please contact Bimal Paul (bkp@ksu.edu) with K-State Globe item.