The K-State Globe

Department of Geography and Geospatial Sciences, Kansas State University

16 October 2023

Departmental Events

**Weekly Geography Faculty Coffee Hour:** 18 and 25 October at the Students Union, 8/8:15 am.

**Departmental Chili Cook-Off:** 27 October at 6:30 pm for a reception hosted by Shawn and Stacy Hutchinson.

**Presentations**

The following presentations (papers and posters) were made by K-State faculties and graduate students at the Great Plains/Rocky Mountains Division of AAG held at South Dakota State University in Sioux Falls, October 6-7:

Joel Radunzel, and **Shawn Hutchinson**, “Battle Maps and Data: A HGIS for the Tactical Cartography of the AEF” (paper – 2nd place; Congratulations!).


Moupyali Chakravarty, and **Abigail L Langston**, “Geomorphic Changes and Timescales of Incisional and Aggradational Periods in Kings Creek, Northeast Kansas” (poster).

Michael Madin, and **Kate Nelson**, “Modeling Future Scenarios of Sustainable Agricultural Innovations Adoption: An MCE Analysis of Biodegradable Mulch Suitability” (poster).

Ifeoma Okonye, and **Shawn J. Hutchinson**, “Whooping Crane Stopover Habitat Model Development and Validation, Quivira National Wildlife Refuge, Kansas” (poster – 1st place; congratulations!).


Harsimran Singh Sodhi, and Arnaud Temme, “Understanding Spatial Temporal Clustering and Landslide Path Dependency Using Multi-Temporal Landslide Inventory” (poster).


Moupyali Chakravarty – named to the GRPM region Geobowl team that will compete at the 2024 AAG meeting. Congratulations!

**Employment Opportunities**

**The Wichita Police Department** is hiring a crime/data analyst. The GIS skillset is some of the many the department looks for in applicants. The spatial analysis of crime, building of dashboards, and creation of GIS related applications are all projects in store for our next hire. Recent graduates or students graduating this fall that would be a good fit. The application deadline is 10/29/23 and the salary ranges between $26.92-$38.03 an hour.


**The Department of Geography and Earth Sciences** in the College of Humanities & Earth and Social Sciences at the **University of North Carolina at Charlotte** invites applications for a tenured or tenure-track appointment (Assistant Professor or Associate Professor) around Geospatial Health Analysis. The department is seeking a dynamic and broadly trained geospatial health scientist whose expertise focuses on health disparities, challenges and/or solutions from a geographic perspective. This position will begin on August 15, 2024. Requirements for this position include a Ph.D. degree in Geography, Geographic Information Science, Urban Planning, a health-related field, or another discipline related to geospatial health analysis, awarded by the date of appointment. Candidates will be expected to demonstrate their ability (1) to contribute to the department’s undergraduate, masters, and Ph.D. focus areas in geography, urban and regional analysis, human-environment interactions, and geographic information science and/or geospatial health; (2) to build a cutting-edge, externally funded research program in geospatial health analysis; (3) to engage in interdisciplinary collaboration; and (4) to effectively teach undergraduate and graduate courses in geography, geographic information science, and/or their area of specialization. Applicants at the Assistant Professor level are encouraged to demonstrate how their academic and/or professional experience have prepared them for sustainable success in the above four areas. Applicants at the Associate Professor level should demonstrate a record of sustained excellence in the above four areas. Finalists will be asked to discuss how their teaching practices engage students of different ages, races, ethnicities, backgrounds, identities, and abilities, helping to remove barriers to ensure the success of all students regardless of their entry pathway into the university. Candidates should submit the following to [https://jobs.charlotte.edu/ Position Number 006905](https://jobs.charlotte.edu/ Position Number 006905): (1) cover letter; (2) research statement; (3) teaching statement; (4) a curriculum vitae; (5) one to three representative publications, and (6) contact information (including email addresses) for at least three professional references. Review of applications will begin on December 1, 2023, and will continue until the position is filled. For more information, contact search committee chair Dr. Colleen Hammelman, (colleen.hammelman@charlotte.edu).

**The Department of Geography & Geospatial Sciences** at **South Dakota State University**, Brookings, South Dakota, seeks applications for a tenure-track, Assistant Professor to begin August 2024, with a specialization in Geographic Information Sciences (GISc). The department is looking for a creative and innovative professional to help develop and grow our GISc program. This is a 9-month, full-time, benefit-
eligible position, with a 40% to 60% teaching load. This position is supervised by the Department Head for Geography and Geospatial Sciences. The Department of Geography & Geospatial Sciences offers B.A/B.S. degrees in Geography, B.S. Geographic Information Sciences, B.S. Community and Regional Planning, M.S. degrees in Geography and Geography - GISc Specialization, and a Ph.D. in Geospatial Science and Engineering. Position is open until filled with full consideration given to applications received by November 10, 2023. South Dakota State University accepts applications through an online employment site. To apply, visit: https://yourfuture.sdbor.edu, search by the position title, view the job announcement, and click on “apply for this job.” This system will guide you through the electronic application form. This employment site will also require the attachment of a cover letter, which should specifically address how the candidate meets the qualifications as outlined in the advertisement, Curriculum Vitae, statement of teaching philosophy (3-page limit, attached as other), and a reference page with the contact information for three professional references. Email applications will not be accepted. Please contact South Dakota State University Human Resources at 605-688-4128 if you require assistance with this process. Requirements include: Enthusiastic, creative, and innovative teaching and the ability to engage undergraduate and graduate students in the classroom as well as willing to include students in contractual and community projects; Interest in areas that help the department strengthen relationships with its own and complementary programs, including for example environmental GIS, urban planning, agricultural GIS, or business GIS; Knowledge of Web GIS, AI/ML, cloud computing, big data analytics or UAS-based GIS; Ability to promote GIS to the campus community, the broader community, and business stakeholders; Advise and mentor undergraduate and graduate students, including thesis and dissertation research; Develop a research program that includes external sources of funding, fosters university and community outreach, as well as collaboration within the department and university and publish in peer-reviewed national and international journals; and Participate as a contributing team member in University, College, and Department governance and service; participate in professional service and outreach activities. Minimum qualifications include: 1) Ph.D. in Geography or a closely related field by first day of employment; 2) Knowledge of multiple, applied Geographic Information Science (GISc) technologies; 3) Potential ability to develop the department’s GIS program and effectively teach emerging GIS trends in the program’s undergraduate and graduate courses; and Effective written and verbal communication skills and interpersonal skills.

Jacksonville State University (JSU), Jacksonville, Alabama, in the College of Science and Mathematics, provides educational services for the geography program (housed in the Department of Chemistry and Geosciences) seeks applications for the position of the Assistant Professor. The selected candidate may be required to teach human geography, physical geography, and geospatial technology courses on campus, off-campus, and online depending on the needs of the department. This individual will be required to recruit students to the program and served as a mentor to students in the program and create faculty-led research opportunities for students. The geography program is student-centered and working with students is a critical part of the position. All applicants must have an earned Doctorate in Geography or Geospatial Technology at the appointment time. Accomplishments sufficient to indicate the ability to meet the requirements of the rank of Assistant Professor at JSU in teaching, research, service, and collegiality. Applicants will be given preference with experience and knowledge of any of the following: ArcGIS Pro suite of geospatial software and analytical processes; Robotic Total Station for High-Resolution GPS data collection and analysis; Remote Sensing Software and Analytics; Drone piloting, digital data collection, and data processing; LiDAR, multispectral, digital aerial photo data collection and manipulation; Cartography and Geo visualization principles and applications; and Qualitative Human Geography teaching and applications. Must also can: Create and supervise faculty-led research opportunities for students, participate in college and departmental student recruitment and retention initiatives, effectively teach using interactive methods and innovative pedagogy, and develop and maintain professional work relationships supporting collegiality. Applications for the position should be made online through our department of human resources at Jacksonville State University,
Jacksonville, Alabama. The application must include a cover letter indicating your interest in the position, qualifications, research interests, and how you see yourself contributing to this university's mission. Also, have a curriculum vitae, unofficial grade transcripts, a list of three personal or professional references, and a statement of teaching philosophy. Please also include evaluations of your teaching if you have them. Applicants should complete the online application and submit the required documents at: http://careers.jsu.edu/cw/en-us/job/496150?ApplicationSubSourceID=.

The **Department of Geography and the Environment** at the **University of North Texas** (UNT) is seeking a tenure-track Assistant Professor in human-environment geography with interests in contemporary issues in human-environment interactions using data-driven methods to begin in Fall 2024. The department is open to a range of topical interests related to coupled natural-human systems (e.g., socio-hydrology, sustainable transportation, urban environments, public health risk). Relevant expertise includes, but is not limited to, field methods, earth observation, data science and analytics, and mixed methods approaches. Candidates should have a PhD in Geography or related field. More details can be found here: https://jobs.untsystem.edu/postings/76605.

The **Department of Geography, Geology, and Environmental Science** in the **College of Letters and Sciences** at the **University of Wisconsin-Whitewater** seeks an Assistant Professor of Physical Geography or Environmental Science. The position is open to individuals with a wide range of interests in earth system relationships including the following: earth surface processes through the nexus of shallow groundwater hydrology, soils, vegetation, and climate. August 2024 is the start date for the position. This is a full-time position with responsibilities for teaching undergraduate courses in the department, research, and service to the university, community, and profession. The successful candidate will teach Introduction to Physical Geography, Introduction to Environmental Science, Research and Field Methods in Environmental Science, and the Environmental Science Capstone. In addition, it is expected that the successful candidate will develop upper-level courses in their area of expertise. The candidate will also be expected to pursue an active research agenda that engages undergraduate students, results in publications, and contributes to advancing the department, university, the profession, and society. The candidate will also be expected to participate in service activities and embrace inclusive principles as a member of the university community. Minimum qualification includes the Ph.D. in Geography, Environmental Science, or a related field is required. ABD candidates may apply but must have their degree completed by the contract start date in August 2024. The successful candidate will teach 12 credit hours per semester. In addition, 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 community organizations and discipline as relevant to the candidate’s expertise and interests. Faculty at UW-W may be required to teach in a variety of formats, including in-person, online, and/or in a hybrid format. Complete applications received by October 31, 2023, are ensured full consideration. Applications received after that date may be given consideration at the discretion of the search committee until the position is filled. The most qualified applicants will be invited to participate in the next step of the selection process. Only complete application packages will be considered. This includes online submission of the following documents: One-to-two page cover letter, Current curriculum vita, One-to-two page statement of teaching and mentoring philosophy (in particular, your approach to creating an inclusive classroom for students from a variety of backgrounds), One-to-two page statement of research accomplishments, interests, and plans, Names and contact information for three professional references (letters of recommendation will be solicited at a later time), Copies of unofficial transcripts (official transcripts will be required if offered the position), and Additional materials may be requested at a later date from applicants.

The **University of West Florida, Department of Earth and Environmental Sciences**, Pensacola, Florida, invites applications for a 9-month tenure-track Assistant Professor position specializing in hydrology and related systems and processes. The successful candidate will be expected to establish a
productive research agenda including consistent dissemination of published research, pursuit of competitive grants, and research mentoring of students from our undergraduate and M.S. programs. The new Assistant Professor will teach two courses per semester providing support to undergraduate and graduate programs teaching student-focused courses in Hydrology and Earth Science and taking an active role in bringing currency and creativity to curriculum development in their area of specialization. The department seeks a candidate who will complement existing teaching and research areas, with the potential for collaborative research with departmental and University colleagues. Possible specialization areas include groundwater-surface water interactions, aquatic bio- or geochemistry, environmental toxicology, fluvial systems, and wetlands science; other water science specializations that complement existing strengths will be considered. Doctoral degree from an accredited institution or the highest degree appropriate in the field of specialization with a strong commitment to teaching, academic research, and service. Applicants must have completed all requirements of a PhD in environmental science, geography, geology, oceanography, or closely related field from an accredited institution by mid-June 2024 for a preferred start date of 8 August 2024. ABDs will be considered only if all degree requirements will be met before their start date. ABDs must submit a letter from their committee chair attesting that the dissertation and all degree requirements will be completed prior to the date of hire.

Candidates must apply online through the University of West Florida website: https://careers.uwf.edu. Applicants are required to attach a CV; cover letter addressing how you satisfy the minimum and desirable qualifications; research statement; teaching statement; and contact information for three references. References will be contacted upon submission of this application. An opportunity to upload these documents will be provided during the application process. For assistance, please contact Human Resources at 850-474-2694 or email jobs@uwf.edu. The preferred response date for applications is 1 December 2023; however, applications will be accepted until the position is filled. All inquiries should be directed to Dr. Jason Ortegren (jortegren@uwf.edu), Search Committee Chair, Department of Earth and Environmental Sciences. Employment based visa sponsorship will be considered for this position.

The Department of Economics and Geosciences at the United States Air Force Academy (USAFA), Colorado Springs, Colorado, is soliciting applications for a Distinguished Visiting Professor (DVP) starting summer 2024 with a specialization in Cultural Geography, Human Geography, and/or World Regional Geography. The prospective DVP must be a career employee at a U.S. institution of higher education. U.S. citizenship is also required. The purpose of the USAFA DVP Program, begun in 1975, is to supplement the Air Force Academy faculty by providing for the temporary assignment of civilians with extensive experience and diverse expertise from other institutions of higher education including Historically Black Colleges and Universities and Minority Institutions. These civilian educators bring vital expertise to the Air Force and take back to their permanent positions a broadened awareness of the Air Force Academy environment. In the process, these educators enhance their own professional development. To be eligible for the Visiting Faculty Program, a visiting faculty member must be a career employee at their home institution before beginning their Academy assignment and must return to their home institution following their Academy assignment. DVPs will remain an employee of their home institution of higher education for most purposes. The period of assignment will normally be for approximately eleven months (1 July through 31 May). The ability to advise students, collaborate with other faculty in the Department of Economics and Geosciences, and foster a congenial environment is also highly desirable. For more information about the position please email Dr. Kelly Lemmons at kelly.lemmons@afacademy.af.edu. To apply please email a cover letter and CV to Dr. Lemmons no later than Oct 31, 2023, for full consideration.

The Department of Geography at Texas Christian University, Fort Worth, Texas, seeks applicants for a tenure-track Assistant Professor position to begin in August 2024. A Ph.D. in Geography is required by the time of appointment. The department seeks applicants with research and teaching experience in the areas of geospatial technology, digital culture, and data analytics, broadly defined. The position will involve teaching courses supporting both the geography program as well as a new major in Digital Culture and Data Analytics (DCDA) in the AddRan College of Liberal Arts at TCU. These courses include
but are not limited to introductory Python for data analysis; Geographic Information Systems; and advanced Geography courses in the applicant’s area of expertise. The successful candidate will also be expected to pursue an active research and publishing program and seek external funding opportunities. The department encourages candidates specializing in all sub-fields of Geography to apply so long as they engage with questions of geospatial technology, digital culture, and data analytics in their research and teaching programs. Questions regarding the open position should be sent to the search committee chair, Dr. Xiaolu Zhou, at xiaolu.zhou@tcu.edu. The application deadline is November 1, 2023.

Required Application Materials & Application Instructions: Applicants should submit the following materials: 1) An application letter describing the applicant’s relevant personal and professional background; a summary of research and teaching interests; and the applicant’s interest in joining the faculty at TCU; 2) The applicant’s current curriculum vita; and 3) Contact information for three letters of recommendation. Letters will be requested later after submission of application. An email will be sent to each reference listed in the application where they can upload their letters of reference on your behalf.

The Department of Geography at Oklahoma State University, Stillwater, Oklahoma, seeks a broadly trained geographer with expertise in Applied Climatology and Human-Environment Interactions for a tenure-track Assistant Professor position beginning in August 2024. The department especially encourage applicants who focus on studying the effects of the changing thermal environment on facets of human health, climate change mitigation challenges, modeling microclimates at the urban, neighborhood or community levels, or the human impacts on climate change and the environment. The Department places a high value on interdisciplinary scholarship. Opportunities exist for collaborative research within the Department and through campus centers focused on energy, water resources, unmanned aerial systems, and transdisciplinary climate science research. The successful candidate is expected to develop and maintain an externally funded research program that supports OSU’s land grant mission. The department seeks candidates who can create an inclusive learning environment for all students regardless of background. A commitment to active pedagogy, student success, and excellence in undergraduate and graduate teaching is essential. Desired qualities include an ability to teach graduate and undergraduate courses such as Climatology, Meteorology, Introduction to Physical Geography, Field Techniques, Climate Change, and/or a seminar related to the candidate’s area of specialization. The position also entails service at the department, college, and university level. A PhD in Geography or a related field is expected at the time of appointment. The Department offers undergraduate degrees in Geography, Geospatial Information Science, and Global Studies as well as graduate degrees (MS and PhD) in Geography. For more information, visit https://eeo.okstate.edu. The candidate can read more about OSU’s commitment to advancing all populations here. Applicants must submit the following materials: (1) letter of application describing their research and teaching experience and interest in the position, (2) curriculum vitae, (3) statement of research agenda (2 pages), (4) statement of teaching philosophy and teaching effectiveness (2 pages), and (5) contact information for three professional references. Candidates should address their perspectives on furthering their understanding of, and interest in, the challenges faced by all populations in their statements. Review of applications will begin on October 27, 2023; however, applications will be accepted until the position is filled. The position is contingent upon available funding. Further information is available on the department website: http://www.geog.okstate.edu. Any questions may be directed to Dr. Carlos Cordova, Search Committee Chair, carlos.cordova@okstate.edu. Apply: http://apply.interfolio.com/132188

The University of Wisconsin-Eau Claire seeks a tenure-track faculty position at the rank of assistant professor is available in the Department of Geography and Anthropology in the College of Arts and Sciences. The university seeks an environmental geographer with expertise in spatial aspects of interactions between humans and the natural world through avenues such as environmental policy, justice, protection, planning, or resource management. Areas of scholarly specialization might include biogeography, climatology, or soil science. The candidate must be committed to teaching excellence, actively engaging undergraduates, and mentoring students from groups underrepresented in geography. The candidate will join a vibrant and well-supported geography department with a dynamic and integrated geography curriculum. Primary teaching responsibilities include our introductory physical
geography (GEOG 104) and environmental geography (GEOG 178) courses, upper-level environmental policy courses, and elective environmental and physical geography courses in the successful candidate’s area(s) of expertise. The candidate will be expected to integrate geospatial techniques in coursework and stay current with developments in scholarship in geography and apply them in support of our department’s interdisciplinary contributions to the university and community. This appointment carries an initial two-year probationary appointment beginning with the 2024-2025 academic year, August 19, 2024. Instruct courses in the Department of Geography and Anthropology based on program needs and candidate’s geographic specialization (12 credits/semester); develop a successful research program; provide academic advising to students as assigned; engage in service to the department, profession, university, and community. Please apply here: https://www.uwec.edu/job-postings. Click the link to the Geography and Anthropology: Assistant Professor position Job Id #20040 and then click the "Apply Now" button to submit your application. You must create an account to apply. Please be sure you have included the following in PDF format: Letter of application, Curriculum vita, Statement of Teaching Philosophy, Interests, and Experience, Statement of Research Experience, Interests, and Plans, and Graduate and undergraduate transcripts (include copies of unofficial transcripts in PDF format along with the rest of the application; official transcripts are required before an offer is made.) Finalists will be asked to provide letters of recommendation, later. Only applications submitted electronically and preferably compiled as a single PDF document will be accepted. Receipt of complete application packages will be acknowledged by e-mail. To ensure consideration, completed applications must be received by 6 October 2023. However, screening may continue until the position is filled. Please direct requests for additional information or requests for any accommodations necessary for you to participate in our process to: GEOGSEARCH@uwec.edu.

The university reserves the right to contact additional references with notice given to the candidates at an appropriate time in the process. Employment will require the candidate and candidate’s references to answer questions regarding past conduct related to sexual violence and sexual harassment, as well as criminal background check. The university will not reveal the identities of applicants who request confidentiality, except the identity of the successful candidate, which may be released. Qualifications include earned doctorate in Geography or closely related field by August 18, 2024, academic specialization in environmental geography, evidence of ability to integrate geospatial techniques into scholarship and teaching, demonstrated potential for excellence in teaching; scholarship; academic advising; and service to the department, university, community, and profession, and demonstrated potential to work effectively with diverse students and colleagues.

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