



The K-State Globe

Department of Geography and Geospatial Sciences, Kansas State University

19 August 2024

Departmental Events

Weekly Geography Faculty Coffee Hour: 21 August at the Students Union, 8/8:15 am.

Grant

Featherstone, Allen, Nina Lilja, Dena Bunnell, Stacy Hutchinson, Antonina Broyaka, Romulo Lollato, Shawn Thiele, Kelsey Andersen Onofre, Ganga Hettiarachchi, Daran Rudnick, Jonathan Aguilar, Lawrence Davis, **J.M. Shawn Hutchinson**, Daniel Flippo, Richard Llewelyn. 2024. Harvest Activity Support for Ukraine. Chemonics International Inc. and U.S. Agency for International Development. \$10,462,908.

Publications

Ding, Meng, Jida Wang, Chunqiao Song, Yongwei Sheng, **J.M. Shawn Hutchinson**, Abigail Langston, and Landon Marston. 2024. A framework of freshwater and saline lake typology classification through leveraging hydroclimate, spectral, and literature evidence. *Journal of Hydrology* 632:130704. doi.org/10.1016/j.jhydrol.2024.130704.

Gurung, B., **J.M. Shawn Hutchinson**, B.A. Peterson, J.A. Beeco, S.J. Anderson, and D. Joyce. 2024. Exploring spatial patterns of overflights at Olympic National Park. Science Report NPS/SR—2024/161. National Park Service, Fort Collins, Colorado. doi.org/10.36967/2304991.

Olstad, T. A., B. A. Peterson, **J. M. S. Hutchinson**, J. A. Beeco, and D. Joyce. 2024. Exploring spatial patterns of overflights at Bryce Canyon National Park. Science Report NPS/SR—2024/149. National Park Service, Fort Collins, Colorado. doi.org/10.36967/2304315.

Pires, Carlos B., F.S. Krupek, G.I. Carmona, O.A. Ortez, L. Thompson, D.J. Quinn, A.F.B. Reis, R. Werle, P. Kovacs, M.P. Singh, **J.M.S. Hutchinson**, D.R. Diaz, C.W. Rice, and I.A. Ciampitti. 2024. The perspective of U.S. farmers on collaborative “on-farm” agronomic research. *Agronomy Journal*. doi.org/10.1002/agj2.21560.

Paul, B.K., K.P. Adhikari, B. Acharya, K. Lammichhane, M. Mishra, and D.B. Sijapati. 2024. Private Housing Compliance with Public Safety Measures after Nepal’s Gorkha earthquake. *International Journal of Disaster Risk Reduction* 111 104690. https://doi.org/10.1016/j.ijdrr.2024.1046690.

Recognitions

M. Caldas was selected to be a member of the Scientific Steering Committee (SSC) of the Global Land Programme (GLP) for an initial three-year term, commencing August 1, 2024, through July 30, 2027. GLP is an interdisciplinary community of science and practice fostering the study of land systems and the co-design of solutions for global sustainability.

Paul, B.K. was selected to be an International Editorial Board Member of *Populations* – a new journal of MDPI.

Workshops

Hutchinson, J.M. Shawn. 2024. Digital Storytelling with ArcGIS StoryMaps. Workshop for the Soil Science Society of America Bouyoucos Summer Conference, San Juan, Puerto Rico. June 11, 2024.

Hutchinson, J.M. Shawn, Trevor Hefley, and Carlos Hernandez. 2024. GIS-based Spatial Interpolation Methods. Workshop for the 16th International Conference on Precision Agriculture, Manhattan, Kansas. July 21, 2024.

Presentation

Rahman, M.K., **Paul, B.K.**, Crawford, T.W., Mollick, A.S., Halder, M., and Walee, N. Exploring Impending Effects of Climate Change and Emerging Social-ecological Crisis of Southwestern Coastal Region of Bangladesh: An Interdisciplinary Approach. The 2024 College of Science and Math (COSM), Summer Research Showcase, Georgia Southern University on July 18, 2024 (poster).

Student Opportunities

GISSAL seeks an undergraduate or graduate student with strong GIS and cartography skills to create datasets, maps, and animated maps illustrating land losses through treaties for the Kaw Nation. The cartographic products produced will be used in online education materials and video documentaries. This is a temporary hourly position for 1-2 semesters working out of GISSAL and paid by a grant awarded to Kansas State University and Johnson County Community College. Applicants should send a two-page resume or CV, examples of original cartographic work, and a detailed listing of relevant technical skills to Dr. Hutchinson (shutch@ksu.edu) by Friday, September 6 for consideration.

Employment Opportunities

The Department of Geography and Planning at Appalachian State University seeks to fill two tenure-track assistant professor positions starting in Fall 2025. **Physical Geography:** The area of research specialization is open. Candidates should provide local or regional field-based research opportunities for undergraduate and graduate students. **Climatology:** The area of research specialization is open. Candidates who can demonstrate one or more of the following are desired:

(a) Proven excellence in teaching, with a strong commitment to delivering engaging instruction and fostering faculty-student research mentorships; (b) The ability to effectively attract and retain prospective majors in the Department of Geography and Planning; and (c) Research expertise in physical geography (including biogeography, dendrochronology, natural hazards, hydrology and related subfields) or climatology (including applied climatology, atmospheric science, synoptic/regional climatology, climate modeling, and related subfields). For a complete application, please apply and submit all below-required documents electronically through Appalachian State University's Job Board:

1) a cover letter; 2) a curriculum vitae; 3) a 1-page teaching statement that highlights your teaching experience and your commitment to curricular diversity, inclusive pedagogical practice, and creating field-based learning connected to the local community or environment; 4) a 1-page research statement

highlighting current and future projects, including a discussion of how you would involve students in research; 5) a list of three references with contact information; and 6) unofficial copies of all transcripts. Closing date: 15 September 2024. Quick Link: <https://appstate.peopleadmin.com/postings/47093>.

The Department of Geography and Environment at the University of North Carolina at Chapel Hill seeks to hire a full-time **Teaching Assistant Professor in Spatial Data Science**. This is a permanent, fixed-term faculty position. The initial appointment is 3 years with the possibility of reappointment. The department expects the candidate to teach courses in Spatial Statistics, Quantitative Methods, Cartography, GIS, Remote Sensing, Digital Image Processing, GeoAI/ML, and Geospatial Big Data with Cloud computing in accordance with the instructor's areas of expertise. Successful candidates must be willing to teach at all undergraduate levels, including introductory courses through upper-level courses in their area of specialization. Candidates must have a Ph.D. in Geography or a related field at the time of appointment and a strong commitment to excellence in teaching. Experience teaching at the undergraduate level, advanced knowledge in spatial data science, and evidence of prior classroom teaching effectiveness are required. The successful applicant will teach a total of 3 courses each semester (9 credit hours) to primarily undergraduate students for a total of 6 courses per academic year. All courses will be live, in-person instruction and include a mix of introductory and advanced classes. Advanced courses may be in a range of thematic areas that match the instructor's areas of expertise. The instructor will be able to rely on existing course syllabi and class plans that have been developed within the department and to adapt them according to their experience and areas of expertise. Teaching assistants will be available to support instructors in large-enrollment courses. The instructor will have the opportunity to engage in department and university life by attending department events, workshops, and colloquia, as well as taking advantage of teaching and training resources available across campus. The instructor will serve on various department committees. Candidates should submit a cover letter, curriculum vitae, personal statement, teaching philosophy, and plans for teaching and service, as well as contact information (only) for three confidential reference letters. All information will be submitted via the following portal:

<https://unc.peopleadmin.com/postings/286191>.

Applications are due September 15, 2024. Short-listed candidates for Zoom interviews will be contacted in January. Short-listed candidates for September/October on-campus interviews will be contacted to provide three letters of reference and a sample syllabus. Questions can be directed to Prof. Charles Konrad (search committee chair) via email cek@email.unc.edu or phone (919-962-3873).

The University of South Alabama Department of Earth Sciences invites applications for a full-time (9-month), tenure-track Assistant Professor position focusing on **Remote Sensing of the Environment**, starting January 1, 2025. The successful candidate must have a Ph.D. in Geography or a closely related field at the time of appointment, but ABD candidates near completion of the degree will also be considered. Experience in undergraduate teaching and an active research agenda are expected. The candidate will assume responsibility for developing courses in Remote Sensing and possibly additional related courses while contributing to the university's growing GIS program. Details are available at: <http://www.southalabama.edu/departments/academicaffairs/facultyposition.html>. Review of applications will begin on September 9th, 2024, and will continue until the position is filled.

The Environmental Studies Program at Colgate University invites applications for a tenure-stream assistant professor position in the environmental sciences. The university welcomes applications from environmental scientists whose research incorporates a socioecological systems framework, traditional ecological knowledge, knowledge co-production, or similar innovative cross-disciplinary approaches to address topics such as agriculture and food systems, biodiversity management, sustainable resource use and management, ecosystem services, ecotoxicology, mitigation of and resilience to climate change, among others. The successful applicant will contribute to a new environmental studies curriculum

featuring a team-taught environmental science course with a lab, and a capstone community-based environmental research course. Additional opportunities will be available to develop upper-division electives related to the candidate's expertise, and to develop or lead off-campus study programs. The successful candidate will fulfill the expectation that all Colgate faculty participate in all-university programs, including the Liberal Arts Core Curriculum. The university invites applicants to submit a cover letter (1-2pages), a C.V., and the names and contact information of three individuals prepared to write letters on your behalf, through <http://apply.interfolio.com/151231>. The cover letter should specify how applicants teaching and research interests intersect with the position. Review of applications will begin Oct 1, 2024, and continue until the position is filled. Completion of Ph.D. prior to or shortly after the date of hire is required, and some teaching experience is preferred. Applicants with dual-career considerations can find postings of other regional employment opportunities at <https://upstate-ny.hercjobs.org/jobs>.

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