The College of Earth, Ocean, and Atmospheric Sciences (CEOAS) at Oregon State University (OSU) invites applications for a full-time 1.0 FTE, 9-month or part-time 0.75 FTE, 12-month tenure-track Assistant Professor with a focus on cartography and geovisual analytics.

We seek a colleague firmly grounded in geography who will conduct research, teach graduate and undergraduate courses, and advise graduate students in cartography and geovisual analytics. The candidate will apply these skills to the study of coupled human and natural systems or some combination of geographic processes, including those involving water (e.g., water supply systems, river and stream systems, transboundary water agreements, coastal and marine systems, and ocean processes), land use (land change science, economics and resource use), and/or natural hazards (e.g. volcanoes, earthquakes, tsunamis, and climate change).

Research foci may include developing fundamental methods in models, statistics, and/or algorithms for cartography and geovisual analytics. We seek a candidate who can help develop and expand a curriculum of courses for geovisual analytics including cartography, spatial thinking, geovisualization, web mapping, geospatial databases, visualization algorithm development, and other courses. The successful candidate will develop productive interdisciplinary collaborations with colleagues in CEOAS and the geospatial community at OSU.

CEOAS is an internationally recognized leader in the study of the Earth as an integrated system. Fundamental research in geovisual analytics in CEOAS involves synthesis and analysis of information from state-of-the art technologies in Earth, ocean and atmospheric sciences. The College has an annual budget of more than $50 million, with support coming from the National Science Foundation, National Oceanic and Atmospheric Administration, National Aeronautics and Space Administration and other federal and state agencies and industry interests. The College is home to the Oregon Climate Change Research Institute, the state’s premier institute addressing issues of climate change in the Pacific Northwest and beyond. It has more than 100 faculty, 200 graduate students and 600 undergraduate students. Graduate programs include Master’s and PhD degrees in Ocean, Earth and Atmospheric Sciences; Geology; and Geography; and a Master’s degree in Marine Resource Management. The college has undergraduate programs in Earth Sciences and Environmental Sciences, with several minors and certificate programs. For more information regarding the College of Earth, Ocean, and Atmospheric Sciences visit: http://ceoas.oregonstate.edu

This position will reside in the Geography program and within the Geography, Environmental Sciences and Marine Resource Management (GEM) discipline group of CEOAS. This position will
complement existing geospatial expertise at CEOAS and OSU including GIS, remote sensing, spatial statistics, modeling, and geospatial intelligence and planning.

OSU has an institution-wide commitment to diversity, multiculturalism, and community. We actively engage in recruiting and retaining a diverse workforce and student body that includes members of historically underrepresented groups. We strive to build and sustain a welcoming and supportive campus environment. OSU provides outstanding leadership opportunities for people interested in promoting and enhancing diversity, nurturing creativity and building community.

Salary is competitive and will be commensurate with experience. The OSU benefit package includes several options for health/dental/life insurance and retirement as well as a program for reduced tuition for qualified dependents. 
http://hr.oregonstate.edu/benefits/

Responsibilities:

50% Teaching and advising: Teach undergraduate and graduate courses in cartography and geovisual analytics including courses in his/her specialty. Activities also include assisting with student research and internships, mentoring and advising students, and designing curriculum.

40% Research and Scholarship: Maintains a primary research focus on fundamental research in cartography and geovisual analytics including models, statistics, and/or algorithms to investigate coupled human and natural systems and/or geographic processes associated with land use, water resources, natural hazards, and/or climate change. Establish and maintain a program of research that supports timely promotion in rank, significant contributions to the field, and continued external funding. Work towards distinction in research as evidenced by national recognition. Research activities are expected to result in publications that advance knowledge and understanding. Results of research should be disseminated in peer-reviewed journals, conference proceedings, and books appropriate for the discipline, as well as in presentations at national and international scientific meetings. Put forth a competent and professional effort to obtain external funding for their research programs.

10% Service: Service to the disciplinary group, the college, the university, and the profession.

Minimum/Required Qualifications:

- PhD in Geography or related discipline by start of employment.
- Demonstrated record of scholarship in cartography and geovisual analytics.
- Demonstrated ability in fundamental methods and/or theory of cartography and geovisual analytics.
- Demonstrated record of collaborations involving geovisual analytics applications to coupled human and natural systems and/or geographic processes.
- Demonstrated ability or potential in teaching spatial thinking, maps and imagery, cartography, algorithms in geovisual analytics, and web mapping.
- Demonstrated commitment to teaching and advising excellence.
- Strong communication and interpersonal skills.
- Proficiency in oral and written English.
• Demonstrable commitment to educational equity in a multicultural setting and commitment to advancing the participation of diverse groups and supporting diverse perspectives.

Preferred Qualifications:
• Demonstrated knowledge of cartographic theory.
• Demonstrated ability to develop geovisual analytics curricula.
• Demonstrated ability to develop novel and creative algorithms for visualizing processes in space and time.
• Demonstrated ability to teach programming in R.
• Demonstrated ability to secure extramural grants/contracts.

Application Closing: For full consideration, applications must be received by October 27, 2015. Position closing date is November 27, 2015.

To Apply: go to https://jobs.oregonstate.edu/ posting 0015727. For information regarding the College of Earth, Ocean, and Atmospheric Sciences please visit http://ceoas.oregonstate.edu/.

Applicants will be required to attach the following electronic documents that should address the required and preferred qualifications:

1) Detailed curriculum vitae including a list of publications, funding history, and teaching experience.

2) Cover letter indicating how your qualifications and experience have prepared you for this position and are relevant to CEOAS and OSU.

3) Statement of (1) current and proposed research interests; (2) teaching experience and interest; and (3) how you would contribute to the OSU commitment to diversity, multiculturalism, and community.

4) Three letters of professional recommendation are required for this position. When applying, you will be asked to provide the email addresses for three referees who will be sent a secure quicklink that will allow them to upload the requested letters of reference on your behalf.

Inquiries about the position may be directed to Dr. Hannah Gosnell by email gosnellh@geo.oregonstate.edu or phone 541-737-1222.

To ensure full consideration, applications must be received by October 27, 2015. Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants.

University and Community:
Oregon State is the state’s Land Grant University and is one of only two in the U.S. to have Sea Grant, Space Grant and Sun Grant designations. Oregon State is the only university in Oregon to hold both the Carnegie Foundation's top designation for research institutions and its prestigious
Community Engagement classification. As Oregon’s leading public research university, with $263 million in external funding in the 2013 fiscal year, Oregon State’s impact reaches across the state and beyond. With 12 colleges, 15 Agricultural Experiment Stations, 35 County Extension offices, the Hatfield Marine Sciences Center in Newport and the OSU-Cascades campus in Bend, Oregon State has a presence in every one of Oregon’s 36 counties, with a statewide economic footprint of $2.06 billion. Oregon State welcomes a diverse student body of over 30,000 students from across Oregon, all 50 states and more than 100 countries, choosing from more than 200 undergraduate and more than 80 graduate degree programs, including over 30 offered online through Oregon State Ecampus. Oregon State increasingly attracts high-achieving students, with nationally recognized programs in conservation biology, agricultural sciences, nuclear engineering, forestry, fisheries and wildlife management, community health, pharmacy and zoology. Oregon State is located in Corvallis, a vibrant college town of 55,000 in the heart of western Oregon’s Willamette Valley. Corvallis consistently ranks among the best and safest cities to live in the U.S., as well as among the most environmentally responsible. Oregon is a world-class destination for outdoor-active lifestyles, with Corvallis offering unparalleled close-proximity access to montane, aquatic, and marine environments supporting pursuit of activities such as surfing, boating, skiing, biking, hiking, and climbing, among many others. For more information regarding OSU please visit: http://main.oregonstate.edu/about.

OSU is committed to a culture of civility, respect, and inclusivity. As an Affirmative Action/Equal Opportunity employer, OSU values diversity in our faculty and staff regardless of their self-identity; to that end, we particularly encourage applications from members of historically underrepresented racial/ethnic groups, individuals with disabilities, veterans, women, LGBTQ community members, and others who share our vision of an inclusive community (http://main.oregonstate.edu/equity-inclusion-and-diversity-oregon-state-university).