

From: Megan Skrip
Subject: Open Rank/Tenure Track Faculty - Geospatial Analytics Chancellor's Faculty Excellence Cluster

As part of the Chancellor's Faculty Excellence Program, NC State University seeks a scholar in remote sensing to join the Geospatial Analytics cluster (https://urldefense.proofpoint.com/v2/url?u=http-3A__facultyclusters.ncsu.edu&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeATyN59ZLoI&m=EBIDnmGWRM6sc4Hy05j8VW6Ee65j-70eNUVucZtCVos&s=-T7hvf7HQq8ttgIO1TwYyFPqBph5udwpcXw3cr2Vg&e=). The position is an open rank tenured/tenure track position with an anticipated departmental home in the College of Sciences' Department of Marine, Earth and Atmospheric Sciences (https://urldefense.proofpoint.com/v2/url?u=http-3A__meas.ncsu.edu&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeATyN59ZLoI&m=EBIDnmGWRM6sc4Hy05j8VW6Ee65j-70eNUVucZtCVos&s=-K7huEKszodubqDfKaNybxafwYHjqvT6xPTbLz5Sck8&e=) with an anticipated start date of August 2018. The Geospatial Analytics cluster currently includes faculty from the Colleges of Natural Resources and Engineering. The cluster is coordinated through the Center for Geospatial Analytics (https://urldefense.proofpoint.com/v2/url?u=https-3A__cncr.ncsu.edu_geospatial&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeATyN59ZLoI&m=EBIDnmGWRM6sc4Hy05j8VW6Ee65j-70eNUVucZtCVos&s=-QESqLvNczIETRTGfvsdLjg6h5GzoGaGy73gdOL5A1dU&e=) a collaborative hub for faculty, researchers and graduate students from over a dozen departments across campus.

We seek a collaborative scholar who will lead research on remote sensing of Earth's land and ice surfaces, ocean, atmosphere, and/or subsurface, and who will develop and teach related undergraduate and graduate courses, including courses that support the new cross-college PhD degree program in Geospatial Analytics. The scholar will be expected to build a program of well-established and focused research and related publications; recruit and mentor graduate students; generate externally funded projects and provide leadership and service to the cluster, the department, college, university, and scholarly organizations. NC State places a high value on excellent instruction and the use of innovative teaching methods.

A central responsibility of the role is to collaborate with members of the faculty cluster and those in the Center for Geospatial Analytics. The center's interdisciplinary research programs focus on discovering and communicating meaningful patterns in location-based data using advanced analytics, to address social-environmental challenges. Approaches include developing tangible user interfaces and 3D visualization techniques, dynamic spatio-temporal models, and participatory research methods to explore processes in time and space and create decision-support systems.

Qualifications:

Doctorate in geospatial sciences, earth sciences, geomatics, geography or related field (must be conferred by date of application).

Preference will be given to candidates whose research integrates Earth system processes and who develops collaborative research initiatives that grow the Geospatial Analytics program.

About the Center for Geospatial Analytics:

The Geospatial Analytics faculty cluster and the new PhD program in Geospatial Analytics are both coordinated by the Center for Geospatial Analytics (geospatial.ncsu.edu), a collaborative hub for faculty, researchers, and graduate students from over a dozen departments across campus. The center's interdisciplinary research programs focus on discovering and communicating meaningful patterns in location-based data using advanced analytics, to address social-environmental challenges. Approaches include developing tangible user interfaces and 3D visualization techniques, dynamic spatio-temporal models, and participatory research methods to explore processes in time and space and create decision-support systems.

In addition to the new PhD program in Geospatial Analytics, the Center for Geospatial Analytics also offers a professional master's degree in Geospatial Information Science and Technology (MGIST) and a Graduate Certificate in GIS, as well as graduate minors in GIS and Remote Sensing.

About NC State:

Founded in 1887, North Carolina State University is a land-grant institution distinguished by its exceptional quality of research, teaching, extension, and public service. Located in Raleigh, North Carolina, NC State is the largest university in the state, with more than 34,000 students and 8,000 faculty and staff. National rankings consistently rate Raleigh and its surrounding region among the five best places in the country to live and work, with a highly educated workforce, moderate weather, reasonable cost of living, and a welcoming environment. A collaborative, supportive environment for business and innovation and research collaborations with area universities and the Research Triangle Park are compelling reasons for relocation to the area.

The Chancellor's Faculty Excellence Program is bringing some of the best and brightest minds to join NC State University's interdisciplinary efforts to solve some of the globe's most significant problems. Guided by a strong strategic plan and an aggressive vision, the cluster hiring program is adding new faculty members in select fields to add more breadth and depth to NC State's already-strong efforts. The Chancellor's Faculty Excellence Program marks a major initiative of the university's strategic plan, "The Pathway to the Future."

In addition, the Data Science Initiative (DSI), sponsored by the Office of Research, Innovation, and Economic Development at NC State, seeks to create a nationally recognized hub of excellence in data science and analytics

(https://urldefense.proofpoint.com/v2/url?u=http-3A__research.ncsu.edu_dsi&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTyN59ZLoI&m=EBIDnmGWRM6sc4Hy05j8VW6Ee65j-7OeNUVucZtCVos&s=suLmrqrbFkP6atQYUGbqtrDNqYJfG2iMzN10BwvxzDU&e=).

Application Instructions:

Apply online at https://urldefense.proofpoint.com/v2/url?u=https-3A__jobs.ncsu.edu_postings_95387&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTyN59ZLoI&m=EBIDnmGWRM6sc4Hy05j8VW6Ee65j-7OeNUVucZtCVos&s=TksS9P5kLPdBoPfwAUQFo5WOWPbfVQfxVXhxqr0FJbI&e=. Comprehensive review of applications will begin February 5, 2018, and continue until the position is filled.

Questions about the position may be directed to Ross Meentemeyer (rkmeente@ncsu.edu). Applicants should provide a letter of interest, curriculum vita, teaching and research statements, and contact information for three references.