Assistant/Associate/Full Professor
Data-Driven Science Cluster

As one of the leading land-grant institutions in the nation, North Carolina State University is proud to announce the continuation of its Chancellor’s Faculty Excellence Program, a major initiative of the University’s 2011-2020 strategic plan, “The Pathway to the Future.” In the first cohort of the program, NC State aims to hire forty-three faculty members in twelve research areas or “clusters” to promote interdisciplinary scholarship and the development of innovative curricula in emerging areas of strategic strength.

The research cluster in Data-Driven Science is seeking an outstanding candidate and invites all nationally recognized scholars conducting high-impact research and education in large-scale data-enabled science to apply. The position is open rank and all exceptional candidates will be considered. Because this hire will be part of an interdisciplinary cluster-hiring program, it is expected that the successful candidate form a robust collaborative research core that attracts existing faculty with strong skills in complementary areas. The anticipated home department is Mathematics with potential for joint appointments in other departments.

While being flexible and open to any strong candidates in this research focus, there is particular interest in growing NC State’s expertise in the following areas: computational geometry and topology, applied graph theory, compressed sensing, mathematical signal processing, machine learning, mathematical network analysis, modeling the internet, social networks, and analysis of massive data sets.

The candidate should have an earned doctorate in Mathematics or a related field and preferably at least three years of experience conducting high-impact research in a university, private sector, government or non-profit organization. Priority will be given to candidates that have demonstrated interdisciplinary collaborations that cut across academic units. Successful candidates will be recognized as a pioneering leader in the development of new approaches for large-scale data-enabled sciences and have experience in initiating, growing and managing research efforts and a record of established extramural funding. The candidate will be expected to assume a leadership role in the NC State Data Science Initiative appropriate to their rank and experience. The candidate should have a strong capacity to teach at both the undergraduate and graduate levels, including the capacity to mentor doctoral students and postdoctoral fellows. Preference will be given to dynamic individuals with demonstrated leadership skills that have a clear vision for practical problems in large-scale analytics and the technical skills to develop advanced solutions.

About North Carolina State University
Founded in 1887, NC State University is a land-grant institution distinguished by its exceptional quality of research, teaching, extension, and public service. It is the largest university in the state, with more than 34,000 students and 8,000 faculty and staff. NC State is one of two research-extensive institutions in the 17-campus University of North Carolina system. It is classified by the Carnegie Foundation as one of only 31 universities nationwide with both “very high” research activity and notable community engagement. NC State consistently ranks among the nation’s top public universities and best higher education values. Its historic strengths in science and technology are supported by its commitment to excellence in a comprehensive range of fields, and its research strength is complemented by its extensive community engagement. Distinguished faculty includes members of the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and fellows in a large number of professional associations. NC State is organized into 10 colleges that offer baccalaureate degrees in more than 110 fields, master’s degrees in over 100 fields, and doctoral degrees in 61. The University has 60+ interdisciplinary research centers across a comprehensive array of disciplines. The University is ranked seventh in industry-funded research and third in total state and local research among national research
universities. The continuing growth of research is a high priority. NC State’s campuses in Raleigh include the Centennial Campus, a visionary academic enterprise and internationally recognized partnership model for university and industry research and collaboration. NC State anchors the Research Triangle region, home to many of the country’s leading Fortune 500 technology, research, and pharmaceutical companies, as well as other fine universities with whom we share uniquely collaborative relationships.

Raleigh and the Community
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. The capitol of North Carolina, Raleigh is situated in the Piedmont section of the state, with the Atlantic Ocean two hours to the east and the Blue Ridge Mountains three hours to the west. Raleigh is the second-largest city in North Carolina, with more than 380,000 residents. A collaborative, supportive environment for business and innovation and research collaborations with area universities and the Research Triangle Park (RTP) are compelling reasons for relocation to the area.

The Application Process
Applications must be made on-line at https://jobs.ncsu.edu/postings/53625 (position number: 00102678). Requests for additional information should be addressed to the Cluster Coordinator, Alyson Wilson, agwilso2@ncsu.edu.

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, age, veteran status, or disability. In addition, NC State University welcomes all persons without regard to sexual orientation or genetic information. Persons with disabilities requiring accommodations in the application and interview process please call (919) 515-3148. We welcome the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners.