Fully funded PhD positions in Geospatial Analytics for landscape connectivity and surface water dynamics from space, deadline Feb 1

Dear colleagues,

Please share with interested students. Thank you.

Two Ph.D. assistantships in Geospatial Analytics for:

(1) Landscape Connectivity Dynamics in Surface Water Networks — Join the Geospatial Analysis for Environmental Change Lab to investigate climate and land-use change effects on landscape connectivity dynamics. I am seeking a creative, motivated Ph.D. student with strong quantitative and analytical skills to investigate climate and land-use change effects on landscape connectivity dynamics in surface water networks. This project will entail integrating time-series of satellite data, network analysis and graph-theory.

(2) Surface Water Dynamics from Space — Join the Geospatial Analysis for Environmental Change Lab to investigate hydroclimatic drivers of surface water extent dynamics and advance quantification of water extent and volume. I am seeking a creative, motivated Ph.D. student with strong quantitative and analytical skills to investigate hydroclimatic drivers of surface water extent dynamics and advance quantification of water quantity (extent and volume) through integrating space agency time-series of satellite data (e.g. Landsat, Sentinel), high-resolution satellite data as well as climate variables and river discharge.

The 2 Ph.D. are among twelve fully funded graduate assistantships with $25,000 salary, benefits, and tuition support available for Fall 2019 through the Ph.D. program in Geospatial Analytics (go.ncsu.edu/geospatial-phd) at the Center for Geospatial Analytics (geospatial.ncsu.edu) at North Carolina State University. Other topics include seasonality from space, winter storm complexity, future landscape change and many more. The application deadline is February 1, 2019.

Students in the Geospatial Analytics doctoral program work on a diverse range of data science frontiers intersecting multiple disciplines, with funding available from the Ph.D. program as well as from external grants secured by faculty. The complete list of available assistantships is at https://cnr.ncsu.edu/geospatial/academics/phd-in-geospatial-analytics/graduate-assistantships/.

North Carolina State University (NC State) is a research university located in Raleigh, North Carolina. NC State forms one of the corners of the Research Triangle together with Duke University and The University of North Carolina at Chapel Hill. The well-known Research Triangle Park is located in the center of this dynamic metro of over 2 million people. Collaboration between the universities is strong, and students can earn credits for classes offered by all three institutions. The metro area is home to a large and growing number of start-ups, high-tech companies and enterprises, driven by a highly skilled and ambitious workforce which enjoys the area's lower cost of living, mild climate and recreational options. Red Hat, SAS, PrecisionHawk, and Epic Games are among the many companies with headquarters in Raleigh.