Geospatial Analytics

The Center for Geospatial Analytics innovative Ph.D. program brings together departments from across NC State University to train a new generation of interdisciplinary data scientists skilled in developing novel understanding of spatial phenomena and in applying new knowledge to grand challenges. Our program includes:

- Fully funded graduate assistantships with $30,000/year salary plus benefits and tuition support.
- Multidisciplinary advising from over a dozen departments across the university
- Curriculum offering core courses in topics such as remote sensing, geovisualization, and data mining, as well as discipline-specific electives
- Experiential learning including a professional seminar, conference travel opportunities, and geospatial externship

Our values:
- Prioritizing student mental health and well-being
- Open data and data ethics
- Environmental and social justice
- Collaboration, community and equity

We are especially committed to increasing the representation of students that have been historically underrepresented in U.S. higher education.

If your research goals intersect geospatial problem-solving from any number of fields, you will find your fit here. Our Faculty Fellows advise students interested in a range of disciplines—from design, to social and behavioral sciences, natural resources and the environment, computer science, engineering and more—and approach their work in a range of geospatial research areas. Students with strong backgrounds in quantitative methods in geography, data science, remote sensing and earth sciences are strongly encouraged to apply.

Degrees
- Geospatial Analytics (PhD) (http://catalog.ncsu.edu/graduate/natural-resources/geospatial-analytics/geospatial-analytics-phd/)

**Full Professors**
- Sankarasubramanian Arumugam
- Emily Zechman Berglund
- DelWayne R. Bohnenstiehl
- David Brian Hill
- Yu-Fai Leung
- Ross Kendall Meentemeyer
- Helena Mitasova
- Stacy Arnold Charles Nelson
- Peter Ojjambo
- Brian J. Reich
- Robert Michael Scheller
- Sandra E. Yuter

**Associate Professors**
- Justin Scott Baker
- Caren Beth Cooper
- Bethany Brooke Cutts
- James Aaron Hipp
- Christopher Lee Osburn
- William Michael Rand
- Marcelo Luise Ardon Sayao
- Mirela Gabriela Tulbure
- Ranga Raju Vatsavai
- Benjamin Allen Watson
- Karl William Wegmann

**Assistant Professors**
- Eleni Bardaka
- Eric Charles Edwards
- Joshua Michael Gray
- Anders Schmidt Huseth
- Gustavo Machado
- Katherine Lee Martin
- Ashly Margot Cabas Mijares
- Natalie Genevieve Nelson Sagues
- Daniel R. Obenour
- Jamian Krishna Pacifici
- Jelena Vukomanovic
- Elsa Youngsteadt

**Practice/Research/Teaching Professors**
- Perver Korca Baran
- Daniela Jones
- Eric Shane Money