

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 Mitsova

Stacy Arnold Charles Nelson

Peter Ojiambo

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

Jennifer Richmond-Bryant

Laura Gray Tateosian

Vaishnavi Thakar

Adjunct Faculty

Adam J. Terando

Research Associates

Georgina Sanchez Salas

Instructors

Vaclav Petras

Anna Petrasova