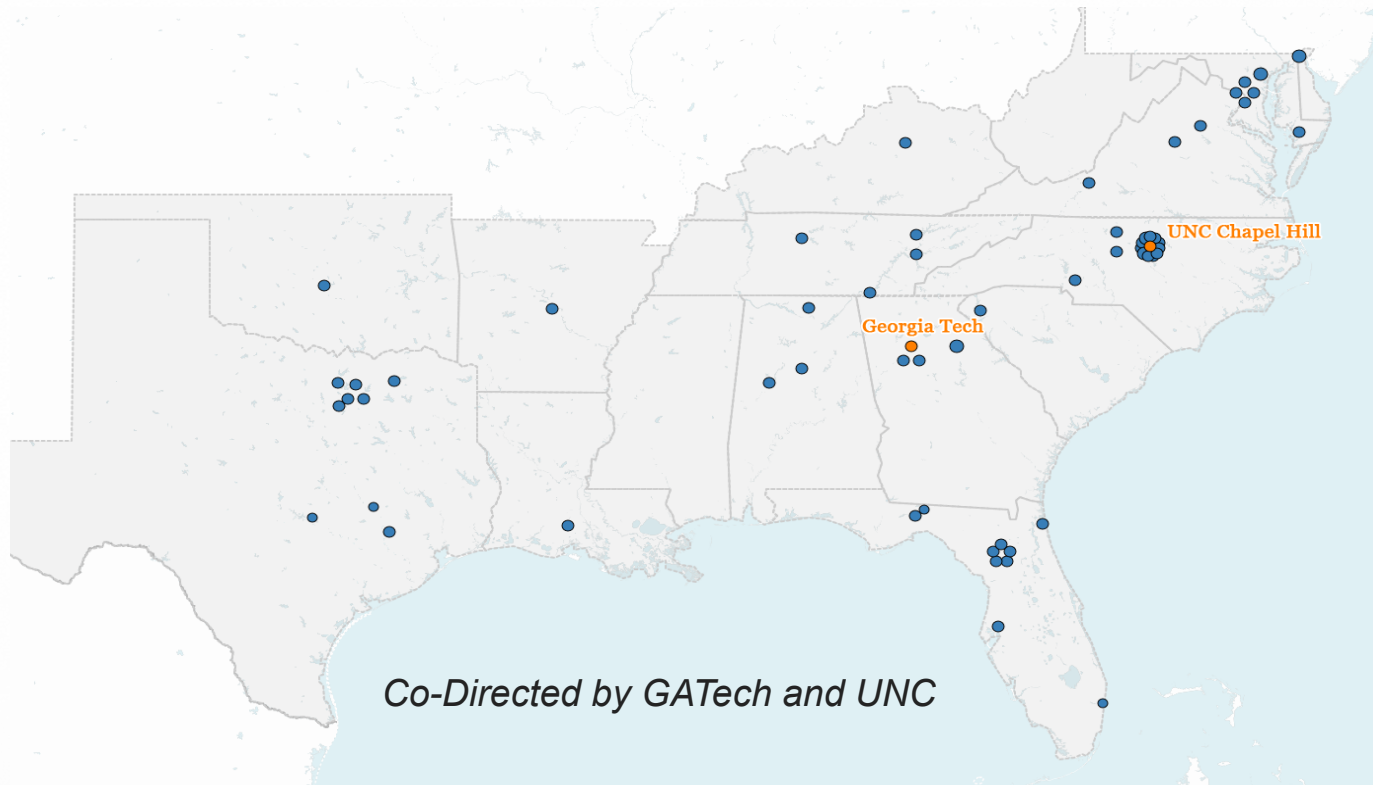


NSF South Big Data Hub



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

The South Big Data Innovation Hub



>350 South BD Hub
Members

59 Academic/
Nonprofit/
Government
Partners

25 Industry
Partners

16 States

www.southbdhub.org

Getting Involved in the South Hub



Steering Committee

Advisory Council

Executive Committee

Executive Committee

Working Groups

Education

Community Partnership

Data & Infrastructure

(Provisional)

Spoke Theme Communities

Health

Coastal Hazards

Social

Habitat

Data Science Education

Big Data Sharing and Infrastructure

Materials and Manufacturing

Big Data Economic Modeling

Data Security, Privacy and Policy

Emerging Themes

Southern Big Data Community



Big Data Sharing and Infrastructure



Healthcare



Coastal Hazards



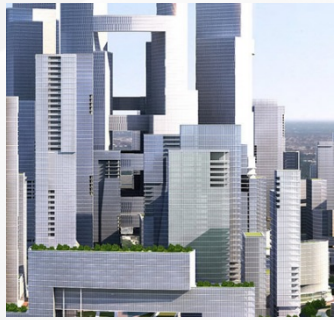
Economics, Privacy and Policy Issues



Industrial Big Data and Energy



Materials and Manufacturing



Habitat Planning

What makes South BD Hub unique?

- Test beds for industry @ Texas Advanced Computing Center at UT-Austin, BEN, exoGENI
- Oak Ridge National Lab
- Georgia Tech Engineering schools, DARPA xdata, GTRI
- RENCi software sustainability -- open source software development expertise, federated networking expertise
- NC State Freedom Center simulated test grids
- Federal Government (NOAA Coastal Services Center, Water Center and NCEI in Ashville, NASA Goddard and Marshall Centers, EPA campus in Research Triangle Park)
- Highest concentration of historically black colleges and universities (HBCU) in the United States
- 5 out of 12 Gigabit connected cities (Austin, Richardson, Lafayette, Chattanooga, NC Ignite)
- And of course the South Big Data PI research community!

Opportunities through the South Hub SOUTHBDHUB (Summer 2016)

- **DataStart** internship program, which will provide graduate students from the South BD Hub the opportunity to work with data-related startups. **(Deadline May 1, 2016)**
- **PEPI** (Program to Empower Partnerships with Industry), which will support early career faculty and postdocs in summer exchange visits with data-related industry partners. **(Deadline May 1, 2016)**
- **Industry-Academia Workshops in Atlanta at Georgia Tech**
 - Big Data in Health
 - Big Data in Energy
 - Big Data in Materials and Manufacturing

Co-Executive Directors

Georgia
Institute of
Technology



University of
North Carolina
at Chapel Hill

Renata Rawlings-Goss, PhD Lea Shanley, PhD

PIs



Srinivas Aluru, PhD

Stan Ahalt, PhD



SOUTHBDHUB.org

Questions?

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