

Institute for Data Engineering and Science

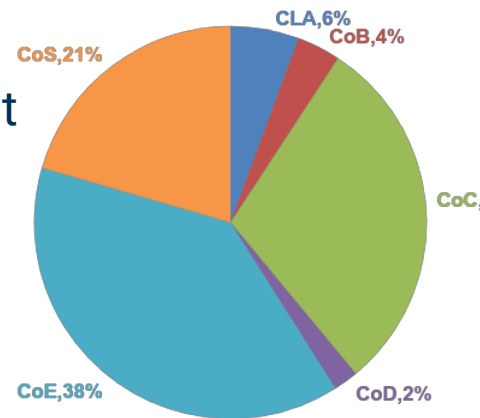
C. David Sherrill, Interim Executive Director



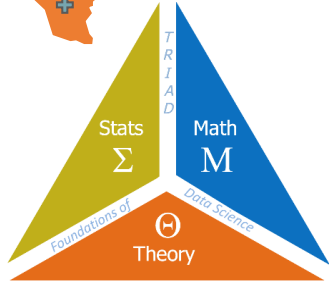
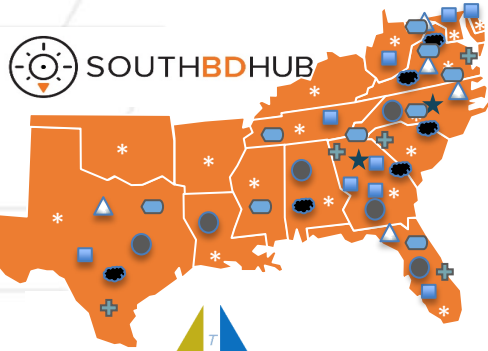
Georgia Tech
Institute for Data
Engineering and Science

Institute for Data Engineering and Science (IDEaS)

- One of Georgia Tech's 10 **Interdisciplinary Research Institutes**
- Supports basic and applied research, facilities, training, thought leadership, and external engagement in
 - Data science foundations: Artificial Intelligence, Machine Learning, High-Performance Computing, Theory, Statistics, Optimization, ...
 - AI/ML for Science and Engineering: astrophysics, biosciences, chemistry, energy, materials, manufacturing, ...
- 200 affiliate faculty across all six colleges



IDEaS – Major Centers



Transdisciplinary Research Institute for Advancing
Data Science

AI-ALOE
INSTITUTE



Atlanta Single Cell Omics and Analytics Initiative



Georgia Tech

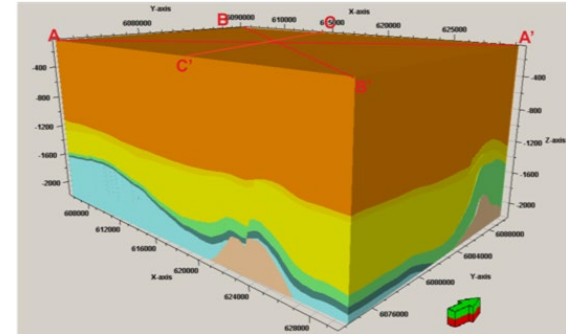
Center for AI in Science
and Engineering



Center for High Performance Computing (CHiPC)



CloudHub



ML4SEISMIC



Georgia Tech
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IDEaS Activities



IDEaS over Coffee



Data Science Bootcamp



GT@SC

GT@SC

Industry Day



GT Academic Programs in Data Science/Related Areas

- M.S. in Analytics (on campus and online)
- Ph.D. in Machine Learning
- At the undergraduate level:
 - Intelligence thread in CS major
 - concentration in Analytics and Data Science in IE major
 - new undergraduate minor in AI in College of Engineering
 - new undergraduate degree program in applied math and data science



Engage with IDEaS!

- Upskilling workshops on AI/ML
- Foundations of AI Seminar Series
- GT/Industry collaborations in AI/ML and scientific computing

