

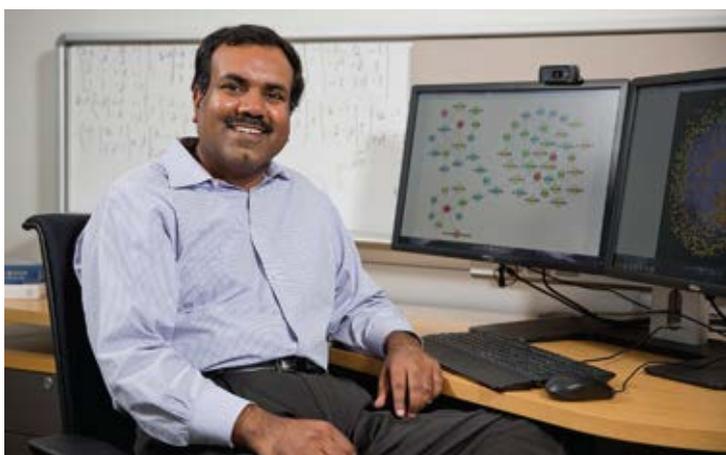
STRATEGIC PARTNERSHIP PROGRAM

School of Computational Science & Engineering

In the 21st century, business moves literally at the speed of light. Even as the world shrinks through the continual advance of new technologies, the problems facing industry and government become commensurately more complex. Responding to global markets, industry is forced to negotiate a web of political and cultural boundaries even as the major economic, environmental, and social challenges increasingly stretch across international borders.



Whether it's a global supply chain, an emerging international market, or any number of massive data sets generated from dozens of databases in an equal number of nations, the power to apply the latest computation-based innovation becomes vital to compete. Almost every day, the Internet produces a larger set of data than it did the day before, and real market advantages lie hidden in those data—waiting for whoever has the power to find them.



Enter Georgia Tech's School of Computational Science & Engineering, or "CSE." Founded in 2005, the School of CSE solves real-world problems in science, engineering, health, and social domains by using high-performance computing, big data, and large-scale analytics. Our world-class faculty and top-notch graduate students synthesize principles from computing, mathematics, science, and engineering to develop never-before-seen solutions to the world's newest, oldest, and biggest problems.

CSE Strategic Partnership Program

In Fall 2014 we launched the Strategic Partnership Program (SPP) to create a vibrant, mutually beneficial link between CSE and industry. By joining SPP, your company will have direct access to some of the world's top emerging computational scientists and engineers. From this position you will be able to forge the kinds of private-public partnerships that have proven essential in tackling the most complex real-world problems through scientific research.

You'll also be able to recruit graduate students from a Top 10 computing program to your workforce and even help shape the high-skill workers of tomorrow through CSE curriculum advice. As a CSE SPP member, you will be in the perfect position to provide the kind of feedback we need to keep our program application-focused even as we ground our students in bedrock scientific knowledge and practice.

Benefits of Membership

- Forge research relationships with CSE faculty at an annual members-only SPP meeting
- Keep up with the latest CSE research through our news and announcements of seminars & events
- Connect directly to your workforce recruitment pool through email access to our students
- Review the most promising recruitment prospects with a CSE Graduate Student Resume Book
- Get to know our faculty and graduate students face-to-face in School-hosted lunches and informal meetings
- Shape the kinds of computational & data scientists you want to hire with invited feedback to the CSE graduate program curriculum
- Extend your brand to the wider CSE community through placement of your corporate logo on CSE website and Strategic Partners wall

Contact



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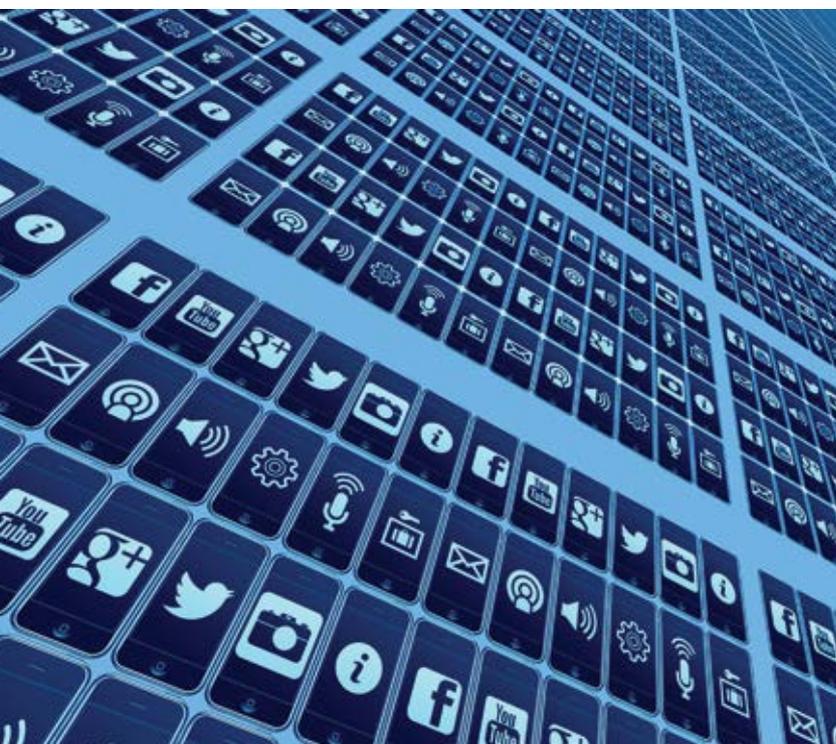
A Strategic Advantage for the Modern World

In addition to the tangible benefit of a highly trained computational workforce for the 21st century, what other perks will CSE SPP partners enjoy? How about a competitive advantage: Companies that are able to stay atop the tsunami of Big Data find that it can carry them a long, long way in the marketplace. CSE research has led to breakthroughs in computational power and analytics that result in real, measurable impacts across application domains.

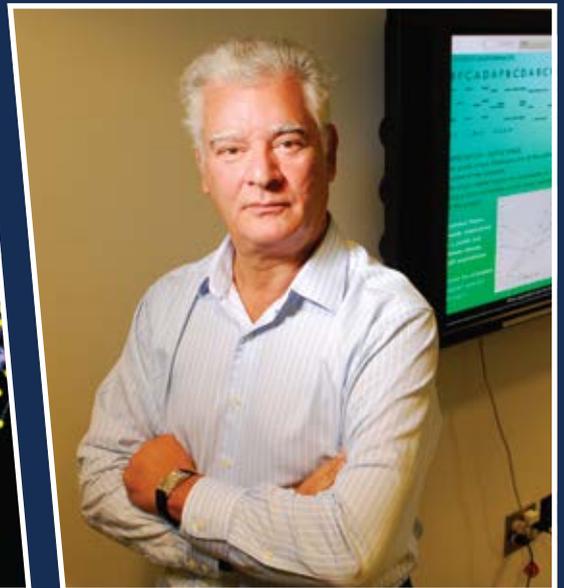
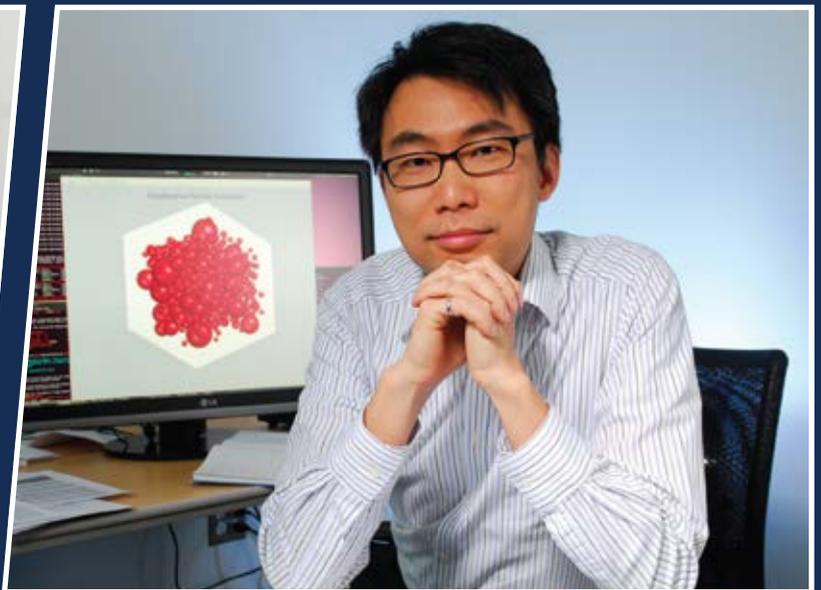


Just a few sectors that have benefited from research collaborations with the School of CSE include:

- Health care & biomedical
- Materials & manufacturing
- National security—including cybersecurity
- Urban systems & planning
- Sustainability & alternative fuels
- Internet & social media
- High performance computing
- Massive data analytics



Whether your company operates in these domains or others, the School of CSE is eager to work side-by-side with you to make the power of Big Data serve your bottom line.



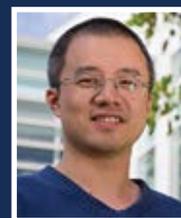
Computational Science & Engineering Faculty



Srinivas Aluru
Professor
Fellow: AAAS, IEEE
NSF CAREER Award



Edmond Chow
Associate Professor
PECASE Award



Le Song
Assistant Professor
NSF CAREER Award



Alberto Apostolico
Professor



Bistra Dilkina
Assistant Professor



Jimeng Sun
Associate Professor



David Bader
Professor & Chair
Fellow: AAAS, IEEE
NSF CAREER Award



Richard Fujimoto
Regents' Professor



Jeffrey Vetter
Professor
Joint with Oak Ridge
National Laboratory



Kenneth Brown
Associate Professor
Joint with School
of Chemistry &
Biochemistry



Surya Kalidindi
Professor
Fellow: ASME, ASM,
TMS
Humboldt Research
Award



Rich Vuduc
Associate Professor
NSF CAREER Award



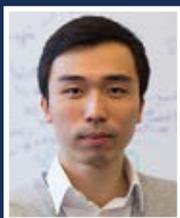
Mark Borodovsky
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Haesun Park
Professor
Fellow: SIAM



Hongyuan Zha
Professor



Polo Chau
Assistant Professor



David Sherrill
Professor
Joint with School
of Chemistry &
Biochemistry
Fellow: AAAS, APS,
ACS

CSE Degrees

- M.S./Ph.D. Computational Science & Engineering
- B.S./M.S./Ph.D. Computer Science
- M.S. Analytics
- M.S./Ph.D. Bioengineering
- Ph.D. Bioinformatics



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