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.

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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 considerably 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 world 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 2000, 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
The Strategic Partnership Program (SPP) creates 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 kind of public-private partnerships that have proven essential in tackling some of 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-skilled workforce of tomorrow through CSE Consulting. 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 groom our students in bedrock scientific knowledge and practice.

Benefits of Partnership
• Forge research relationships with CSE faculty at an annual member-only SPP meeting
• Keep up with the latest CSE research through our news and announcements of seminars & events
• Connect directly to your alma mater’s recruitment pool through email access to our students
• Review the most promising recruitment prospects with a CSE Graduates-Student Resume Book
• Get to know our faculty and graduate students face-to-face in School-hosted lunches and informal meetings
• Shape the minds 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

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CSE Degrees
• M.S./Ph.D., Computational Science & Engineering
• B.S./M.S./Ph.D., Computer Science
• Data Analytics
• M.S./Ph.D., Biomedical Engineering
• Ph.D., Bioinformatics

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