OVERVIEW

The Department of Computer Science (CS) excels in innovative research, education, and technology transfer. Faculty and students collaborate in a unique interdisciplinary culture and collegial atmosphere.

The Department offers graduate programs leading to an MS and PhD in Computer Science. Undergraduate students can choose from joining our Computer Science (CSE) or Information Systems (ISE) programs.

Department Mission
- Educate our students for professional, academic, and research careers
- Conduct first-class research and secure funding
- Serve CEAS, the University, the Long Island community, and professional community
- Seek technology transfer opportunities with industry and research partners

LEADERSHIP

Chair:
Arie E. Kaufman  ari@cs.stonybrook.edu

Associate Chair and Information Systems Program Director:
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RESEARCH FOCUS

The CS research mission transcends the public and private sectors and advances the future of software, hardware and computing.

Research Areas
- Algorithms and Theory
- Big Data
- Computational & System Biology
- Computer Architecture
- Cybersecurity
- Data Management
- Machine Learning
- Smart Energy
- Visual Computing
- Artificial Intelligence
- Biomedical Informatics
- Computer Systems
- Intelligent Computing
- Networking
- Verification
- Wireless and Sensor Networks

Research Centers
Department research success is often a result of the intellectual collaboration among faculty, students, and University centers. CS participates in innovative research projects through the following centers: Center of Excellence in Wireless and Information Technology (CEWIT), CEWIT Korea, and Advanced Energy Research & Technology Center, Institute for Advanced Computational Science, Department of Biomedical Informatics, National Security Institute, Center for Visual Computing, and Center for Dynamic Data Analytics.

ALUMNI

The Department boasts nearly a 100% placement rate, with many students joining top research, technology, finance firms and academic institutions. Our students are solving technology challenges all over the world for companies such as IBM Research, Google, Microsoft, Citigroup, Nvidia, Siemens, and Facebook.

“I decided to study at Stony Brook University because of the resources and faculty in the Department of Computer Science. Many people recommended Stony Brook University to me and after I researched the Department, I was amazed with all it has to offer.”
— CS Program Graduate

CS.2014

The new 70,000 sq. ft. facility has close to 27,000 sq. ft. of research space. It is comprised of 20 labs and encourages interactive collaboration, and distance learning.

“The new CS building, set to open in late 2014, responds to the need for a facility that strengthens the department’s ability to conduct interdisciplinary, collaborative research and connect researchers, faculty, and students with industry and government.”
— Arie E. Kaufman, CS Chair

FACULTY AWARDS

CS faculty includes IEEE and ACM Fellows, Fulbright Scholars, SUNY Distinguished Professors, Young Investigator awardees, a LI Technology Hall of Fame honoree, a Morningside Gold Medalist, and 17 NSF Career and Information Technology Research awardees.

COMPUTER SCIENCE: WHO WE ARE

- 47 Core Faculty
- 13 Research Faculty
- 13 Affiliated Faculty
- 8 Emeritus Faculty
- 800+ ISE and CS Undergraduates
- 400+ Doctoral and MS Students
- Affiliations with SUNY Korea, Brookhaven National Laboratory, and Cold Spring Harbor Laboratory

To learn more about Computer Science at Stony Brook University scan here:

National Research Council ranks SBU’s Computer Science PhD program 16th (out of 126 programs) in the nation in combined research productivity, student support, and student outcomes.