KNOWLEDGE TO SHARE
The Department of Computer Science faculty represents the best of teachers and scientists in the field today. Following is a list of our faculty members along with their areas of special interest:

Robert S. Cartwright, Jr.
Professor of Computer Science.
Programming language design and implementation, program semantics, and verification.

Keith D. Cooper.
Professor of Computer Science and Electrical and Computer Engineering, L. John & Ann H. Doerr Chair in Computational Engineering.
Compiler construction.

Alan L. Cox.
Associate Professor of Computer Science and Electrical and Computer Engineering.
Operating systems, computer architecture.

Ronald N. Goldman.
Professor of Computer Science.
Computer graphics, geometric modeling.

Keith D. Cooper.
Professor of Computer Science and Electrical and Computer Engineering.
Compiler construction.

Alan L. Cox.
Associate Professor of Computer Science and Electrical and Computer Engineering.
Operating systems, computer architecture.

Ronald N. Goldman.
Professor of Computer Science.
Computer graphics, geometric modeling.

David B. Johnson.
Professor of Computer Science and Electrical and Computer Engineering.
Wireless and mobile networking protocols.

Chris Jermaine.
Associate Professor of Computer Science.
Database, data management, data mining/machine learning.

Lydia E. Kavraki.
Noah Harding Professor of Computer Science and Bioengineering.
Bioinformatics, robotics, physical algorithms.

James McLurkin.
Assistant Professor of Computer Science.
Robotics, distributed algorithms, multi-robot systems, complex systems.

John Mellor-Crummey.
Professor of Computer Science and Electrical and Computer Engineering.
High performance computing, optimizing compilers, performance analysis.

Lusy K. Naithani.
Assistant Professor of Computer Science.
Computational biology and bioinformatics, phylogenetics and biological sequence analysis.

T. S. Eugene Ng.
Assistant Professor of Computer Science.
Computer networks, distributed systems.

Krishnach Pattn.
Ken and Audrey Kennedy Professor of Computer Science.
Embedded systems, nanocomputing, and compiler optimizations.

Scott Painter.
Associate Professor of Computer Science.
Processor architecture design for multimedia, networking and communications.

Vinod Sankar.
E.D. Buckley Professor of Computer Science.
Computer parallel computing, compilers, virtual machines, programming language design, and implementation.

Dhavalk Subramanian.
Professor of Computer Science and Electrical and Computer Engineering.
Artificial intelligence.

Walid Taha.
Assistant Professor of Computer Science.
Programming languages, embedded systems.

Mashe V. Varol.
Karen Ostrum George Professor in Computational Engineering.
Databases, computational complexity theory, and design specification and verification.

Dan S. Wallach.
Associate Professor of Computer Science and Electrical and Computer Engineering.
Computer systems and language security.

Joe D. Warren.
Professor of Computer Science.
Computer graphics, computational geometry protocols.
STRENGTHENING TIES

The Department of Computer Science at Rice University welcomes interaction and collaboration with corporate partners through its Corporate Affiliates Program. The goal of the program is to create a mutually beneficial relationship between the department and industry: a relationship in which universities assist companies in developing new ideas and solving problems, free from the immediate pressure of producing a marketable product, and companies provide universities with both financial support and suggestions for new areas of long-term research. By joining the Corporate Affiliates Program, a company engages in an open dialogue with the department. Corporate affiliates are positioned for direct technical exchange with Rice faculty and graduate students, all of whom are actively engaged in cutting-edge research.

This interaction permits companies to keep abreast of research at Rice and provides them with the opportunity to influence the direction of that research. The direct interaction with our students also allows corporate affiliates a special advantage for recruiting. Our graduate students must meet high standards of academic achievement to be accepted in the program; they come from the top ranks of the best universities in the world. With the department’s small student-to-faculty ratio, our graduate students are able to develop close personal and working relationships with the faculty, a mix that produces impressive results in learning and research. Graduates of our program move into positions with the top companies and universities in the country.

ABOUT RICE COMPUTER SCIENCE

The Department of Computer Science at Rice is a small high-quality department focused equally on education and research. U.S. News and World Report consistently ranks our program among the top twenty in the country, and individual groups within the department, such as our programming languages and systems groups, receive high ranking as well. Such recognition is the result of many dynamic factors: dedicated faculty, quality graduate students, a results-oriented research program, funding from a variety of sources, and the involvement of industry.

A COMMITMENT TO THE FUTURE

Membership in the Computer Science Corporate Affiliates Program is offered to companies by invitation from the Chair of the Department of Computer Science, and an $8,000 membership fee is assessed annually. New companies with fewer than five years of operating history can join for a reduced fee of $4,000.

MEMBER BENEFITS

Corporate affiliates receive a variety of benefits that are designed to strengthen their ties with the Department of Computer Science. Many of these benefits involve interaction between the member company and our faculty and students in order to nurture the exchange of ideas between the member company and the department.

Corporate-Faculty Liaison
A representative from the member company and a Computer Science faculty member will provide the primary relationship between the company and the department.

Member Visits to the Rice Campus
Corporate affiliates are encouraged to visit the department during the year to discuss topics of mutual interest and learn about current research.

Annual Meeting
The member company will be invited to send representatives to the department’s annual Corporate Affiliates Meeting. During the meeting, presentations by faculty and graduate students give attending members a broad view of current research projects in the department. Attendees are also given the opportunity to speak one-on-one with individuals whose work is of particular interest to them during lunch, breaks, and breakout sessions.

Faculty Visit
A Computer Science faculty member will make one visit annually to a member company’s facility, as requested by the member. The visit can be used to discuss particular aspects of current research projects, or a faculty member can conduct a seminar of interest to the member company. Corporate affiliates are responsible for the travel expenses of the faculty member.

Technical Reports and Notices
Access to departmental technical reports will be provided free of charge. Departmental notices of colloquia and other activities of interest will also be provided to the member company.

Student Resumes
Each fall, member companies will receive online access to student resumes. The database includes undergraduate and graduate students who are looking for summer employment or employment after graduation. We encourage members to contact any students they think may be an asset to their organization, and we will facilitate making contact with our students if necessary.

Problem Identification
Program members are encouraged to bring technical problems of a non-proprietary nature to the attention of faculty members and to outline what they believe to be key problems in advancing the state of the art in their fields. Member contributions fund activities within the department that are not covered by traditional university sources, such as purchasing supplementary equipment for research, funding graduate student travel to conferences, and aiding in the recruitment of high-caliber faculty and graduate students. These aspects of the computer science program are vital to our success, and help us maintain our place among the top universities in the country.