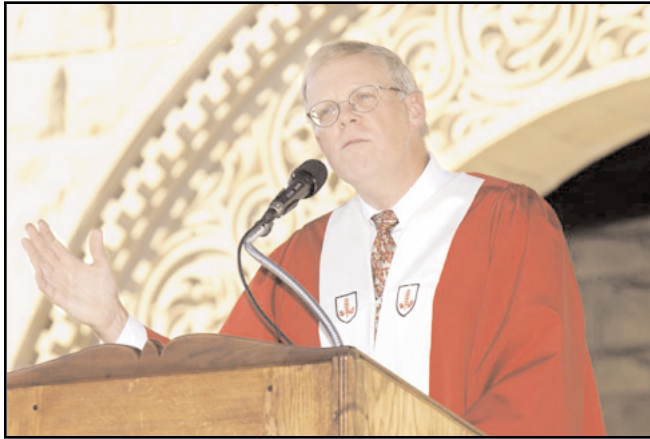


Celebrate! 1969 - 2004



CS@35

Message from Alumnus John Hennessy



I am delighted to be able to congratulate the Computer Science Department at Stony Brook on its 35th anniversary. The department has come a long way since its birth in 1970, and the faculty, students, and alumni should take great pride in its many accomplishments and its enviable reputation for high quality research and outstanding teaching.

When I arrived at Stony Brook in early 1974, after completing my undergraduate degree in Electrical Engineering, I entered the Ph.D. program with little exposure to Computer Science as an academic discipline. I had completed a number of programming courses, done some consulting, and was an admitted hacker (back when it was something to be proud of!). My formal knowledge of Computer Science as a discipline with elegant and fascinating theoretical foundations, however, was completely missing. At Stony Brook, I learned to be a computer scientist, and I learned the love of our discipline. I had also the wonderful experience of relating to the faculty as colleagues—colleagues engaged in joint research and colleagues who often learned together in the classroom.

When I completed my Ph.D. degree, I felt that I learned the skills of being an independent researcher, had achieved a broad level of mastery of Computer Science, and was both well-read and able to converse in depth in my area of specialty. More than 25 years later, those are the same skills I try to nurture in the graduate students with whom I work.

It was also a wonderful time to be in Computer Science, as the discipline grew at a rapid rate, and a wonderful time to be at Stony Brook, as the department took its place among the top departments in the country. Even today, I tell students that my days as a graduate student were among my happiest and most memorable.

I am proud to see how the Computer Science Department at Stony Brook has grown in size and reputation. I am impressed with the quality of its graduates. And on this 35th anniversary, I wish the department many more years of continued success.

John L. Hennessy
President, Stanford University



CS@35

CS@35 – Happy Birthday Computer Science!

The Computer Science Department at Stony Brook University (aka the State University of New York at Stony Brook) was founded in 1970, and it is celebrating its 35th anniversary this year. We are celebrating thirty-five years of great creativity and innovation in computer science research, thirty-five years of superb education of computer scientists, thirty-five years of excellent community service and computer technology transfer to industry, as well as thirty-five years of collegial atmosphere and the unique inter-disciplinary culture of the department. Our current faculty, staff, and students of the department along with our over 4,000 alumni are jointly celebrating this landmark birthday.



The Computer Science Department is ranked among the top 10% of the research Computer Science Departments in North America. At the same time, in 2004, it was the largest producer of computer scientists of all the Computer Science departments in US engineering schools. The department further boasts an internationally renowned faculty and alumni who have made significant contributions to the field of computer science and many of whom have been awarded the highest level of recognition in their respective areas. Our illustrious alumni include the President of Stanford University, the President of the ACM, and many distinguished professors and industry leaders. Among our eminent faculty we have 4 IEEE Fellows, 2 ACM Fellows, 3 Fulbright Scholars, 2 SUNY Distinguished Professors, 3 ONR Young Investigator Awards, 11 NSF CAREER/PYI Awards, 10 NSF ITR Awardees, and numerous other Fellows and Awards.

As we celebrate this 35th anniversary, we are in the midst of the fastest growth period of the department. We are especially proud of our new Center of Excellence in Wireless and Information Technology (CEWIT), a \$200M research center with a forthcoming major facility of about 100,000 sq ft. We are further looking forward to the construction of a new Computer Science Building extension, which is currently under design. With plenty of room to expand in these two planned facilities, we anticipate the growth of the department to continue through this decade and beyond.

Happy Birthday CS@35 !

Arie Kaufman
Distinguished Professor and Chair

Schedule of Events

8:15	Coffee & Registration, SAC Lobby	
9:00	Introduction	Ari Kaufman
9:15	Talks by Distinguished Alumni/ae	Scott Smolka, Moderator
	Certificates for High-Confidence Software, Dick Kieburtz , OGI School of Science & Engineering (Retired)	
	The Importance of Being Wrong, David Gelernter '82, Yale University	
	Computerized Voting Machines, Barbara Simons '78, IBM Research (Retired)	
	The Eyes Have IT! User Interfaces for Information Visualization, Ben Shneiderman '73, University of Maryland at College Park	
10:45	Break	
11:15	A Snapshot of The Department's Future	Alex Mohr, Moderator
	Graphics Hardware for General-Purpose Computing, Klaus Mueller	
	Trainable Approaches to Generation in Dialogue Systems, Amanda Stent	
	Monte Carlo Model Checking, Radu Grosu	
	Use of Diversity in Wireless Multihop Networks, Samir Das	
12:35	Lunch in the SAC Ballroom "A"	
2:00	Talks by Distinguished Alumni/ae	Art Bernstein, Moderator
	Experiences with System X, Srinidhi Varadarajan '00, Virginia Tech	
	Implementing Fault-Tolerant and Scalable Storage Services, Fred B. Schneider '78, Cornell University	
	Issues in Wireless Mesh Networking, Ike Nassi '74, Firetide, Inc.	
3:15	Break	
3:30	A Snapshot of The Department's Future	Radu Grosu, Moderator
	Broadcasting Television Over the Internet, Alex Mohr	
	Computational Conformal Geometry, David Gu	
	File Systems Security, Erez Zadok	
	Cache-Oblivious Search Trees, Michael Bender	
4:50	CS in the University Framework	Provost Robert McGrath
5:15	Cocktails in the Wang Center	
6:30	Dinner in the Wang Center Snapshots of the Department's Past	Ari Kaufman

Our Speaker, John Swainson

President and Chief Executive Officer, Computer Associates



John Swainson is president and chief executive officer of CA and serves on the company's Board of Directors.

Over the course of three decades in the Information Technology industry, John has amassed hands-on experience in virtually every aspect of the business, including sales, marketing and development.

John's mission at CA is to strengthen the company's core strength in systems and security management and consolidate its leadership position in enterprise management. He recognizes that no other technology company possesses the deep experience and broad product portfolio necessary to help customers manage and secure enterprises as a single entity — across platforms, systems, applications and technology stacks.

John is committed to ensuring that CA delivers the benefits of IT integration and seamless enterprise management to an ever widening array of customers.

Before joining Computer Associates, John was vice president of worldwide sales for IBM's Software Group, responsible for selling IBM's diverse line of software products through multiple channels. Prior to that, he was general manager of the Application Integration and Middleware division, IBM's largest software group, a division he started in 1997. In this position, he and his team developed, marketed and launched the highly successful WebSphere family of middleware products.

John was a member of the IBM Worldwide Management Council, IBM's Strategy Team and Senior Leadership Team and on the Board of Governors for the IBM Academy of Technology.

John holds a bachelor of applied science degree in engineering from the University of British Columbia.

A Brief Early History of the Department

(as recalled by Dave Smith and Herb Gelernter)

1966: Aaron Finerman, Director of the Campus Computer Center, is given the go-ahead to start a program in Computer Science within the College of Engineering as part of the Department of Applied Analysis (later to become the Department of Applied Mathematics). He brings in Herb Gelernter and Saul Rosen to join Dave Smith and Dick Kieburztz.

1967: During the summer, Aaron Finerman organizes an international conference on Academic and Related Research Programs in Computer Science, which is well attended by many leading scholars in computing from around the world. The conference is addressed by the president of Stony Brook, John S. Toll, who says in his address that Stony Brook is in the early stages of planning an academic program in “the computer sciences.” Following the conference, serious planning for the Computer Science program gets underway. Dan Tycko joins the Department from Columbia University’s Nevis Lab.

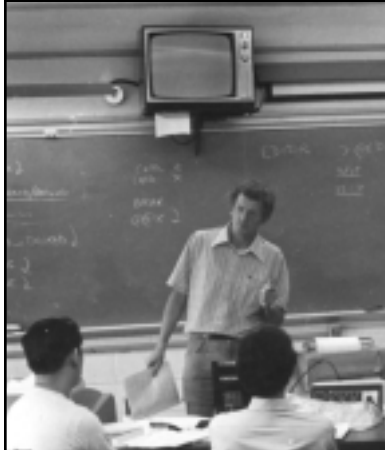


1968: An interdepartmental graduate program in Computer Science is formed with faculty from Applied Analysis and Electrical Engineering. Original members included Aaron Finerman (who was still the Director of the campus Computer Center), Herb Gelernter, and Dick Kieburztz, with Dan Tycko and Dave Smith as Joint Chair. A grant application is made to the National Science Foundation to purchase equipment needed by the new Department. The Dean and President refuse to supply matching funds for the application, but the grant is nevertheless approved. The Department acquires one of the first of the DEC PDP-15s to be sold.

1969-70: Art Bernstein from General Electric and Jack Heller from New York University join the group. The faculty of Engineering twice votes down applications by the group to become a department.

1970: President Toll commissions a panel, chaired by Juris Hartmanis of Cornell, which recommends the formation of a Division of Mathematics. Negotiations with President Toll and Jim Simons culminate in Applied Mathematics and Computer Science faculty leaving the College of Engineering. Part of the deal is that Computer Science becomes a Department, with Dick Kieburztz as the Chair, after he returns from Stanford, where he is changing his field from Antenna Design to Computer Science.

1971: Jim Simons leaves to form an investment company. The Computer Science Department is offered space in the flooded Mathematics-Physics basement complex. The Department requests to leave the Mathematics Division and rejoins the College of Engineering, now as a Department. Tsing-Yun Chang obtains the first M.S. degree from the Department.



1973: Ben Schneiderman obtains the first Ph.D. degree from the Department. The first undergraduate class of six students obtains their B.S. degrees from the Department.

1975: Dick Kieburtz goes on sabbatical and is replaced as Chair by Aaron Finerman.

1977: The Department votes on internal candidates for a new Chair. The election is won by Jack Heller.

1981: The administration moves the Department to “temporary” quarters in the Lab-Office Building (LOB), where it still resides, although the name has been changed to the Computer Science Building. Dick Kieburtz resigns in protest at the (lack of) resources offered and takes David Maier with him to start a new department at the OGI School of Science and Engineering in

Oregon. Two other faculty members also leave. The administration offers funds for a VAX 780. Jack Heller personally takes charge of rehabilitation and decoration of the “new” old building.

1983: The National Science Foundation concludes that Computer Science departments nationwide are falling too far behind industry in equipment. Jack Heller leads the Department in a successful effort to obtain one of the new NSF infrastructure grants. The Department makes an early commitment to the newly emerging SUN Microsystems Corp. (Later the Department gets two additional infrastructure grants, making it one of the few departments that received three such grants.) The National Research Council issues its first ranking of U.S. Computer Science Departments, and the Department is ranked 16th.

1984: High demand for Computer Science courses continues. Jack Heller repeatedly threatens to cut classes drastically unless resources are forthcoming to improve the undergraduate computing environment. Using in part a grant from Digital Equipment Corporation, the Department is able to take the servicing of the computing needs of the undergraduate program away from the Campus Computer Center.

1985: The administration starts an outside search for a new Chair. Art Bernstein, then Dave Smith, serve temporarily.

1987: The search for Chair culminates in Phil Lewis joining the Department from General Electric.



Some Significant Research Contributions by our Faculty

Cache-oblivious Data Structures

Michael Bender

Rether: a Real Time Ethernet Protocol

Tzi-cker Chiueh

AODV Routing Protocol for Mobile Ad Hoc Networks

Samir Das

Synchem System for Chemical Synthesis

Herb Gelernter

Computational Conformal Geometry

David Gu

Real-time Volume Rendering Hardware

Arie Kaufman

Virtual Colonoscopy

Arie Kaufman

Volume Graphics

Arie Kaufman

Anesthesia Record Keeper

Rob Kelly

Logic-Based Object-Oriented Languages, F-Logic

Michael Kifer

Optimization by Incrementalization

Annie Liu

Rapid CT: Unified Framework for Tomographic Reconstruction

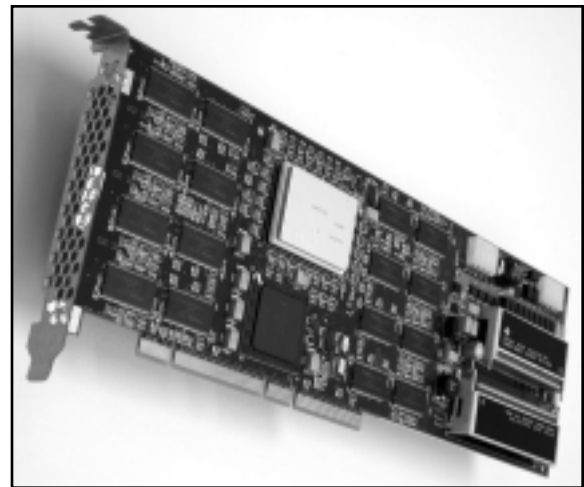
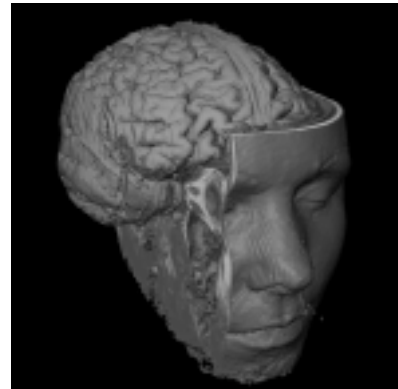
Klaus Mueller

Two-Dimensional Bar Code Symbology

Theo Pavlidis

Document Analysis: Pages, Graphics, Gray Scale Characters

Theo Pavlidis



Structural Pattern Recognition

Theo Pavlidis

Dynamic Geometric Modeling for Computer-Aided Design

Hong Qin

Logic-based Model Checking

C.R. Ramakrishnan, I.V. Ramakrishnan, Scott Smolka

Mobile-code Security/Model-Carrying Code

R. Sekar

Stony Brook Algorithms Repository

Steve Skiena

Concurrency Factory/Workbench

Scott Smolka, Rance Cleaveland

Tabled Logic Programming

David Warren

XSB Language

David Warren

NCryptfs: A Secure Cryptographic File System

Erez Zadok



Some Awards and Honors Given to our Faculty

ACM SIGMOD Test of Time Award:	Michael Kifer	1999, 2002
IAPR King-Sun Fu Prize:	Theo Pavlidis	2001
SUNY Distinguished Professors:	Theo Pavlidis Arie Kaufman	1993 2004
ACM Fellows:	Phil Lewis Dave Warren	
IEEE Fellows:	Art Bernstein Arie Kaufman Phil Lewis Theo Pavlidis	
Fulbright Scholars:	Tzi-Cker Chiueh Anita Wasilewska Steve Skiena	1987 1992 2002
Alfred P. Sloan Research Fellow:	Hong Qin	2001
Ford Foundation Fellow:	Herb Gelernter	1963
CERN Fellow:	Herb Gelernter	1963
Weizmann Memorial Fellow:	Herb Gelernter	1972

ONR Young Investigator Awards:	Rance Cleaveland	1992
	Steve Skiena	1993
	Scott Stoller	2002
NSF CAREER Awards:	Samir Das	1998
	Rance Cleveland	1992
	Tzi-Cker Chiueh	1995
	David Gu	2005
	Radu Grosu	2002
	Klaus Mueller	2001
	Hong Qin	1997
	C.R. Ramakrishnan	1999
	Steve Skiena	1991
	Scott Stoller	1999
	Erez Zadok	2002
NSF ITR Awards:	Michael Bender	2001, 2003
	Hong Qin	2000, 2003
	C.R. Ramakrishnan	2002
	I.V. Ramakrishnan	2002
	Dimitris Samaras	2003
	R. Sekar	2002
	Steve Skiena	2003
	Scott Smolka	2002
	Amanda Stent	2003
	Scott Stoller	2002
NSA Center of Academic Excellence in Information Assurance Education:	R. Sekar	2002
DoD Critical Infrastructure Protection and Information Assurance Fellow:	R. Sekar	2001
Honda Initiation Award:	Hong Qin	2001

Some Major Grants Exceeding \$1,000,000

NSF Infrastructure Grant: A Data-Oriented Network Structure, 1983.

NSF Infrastructure Grant: ACTIVE: Animated Color 3-D Visualization Environments, 1989.

Hewlett-Packard Company: 3D Graphics and Imaging, A. Kaufman, 1989.

NSF Infrastructure Grant: PROUD: Parallel Resources on Users' Desks, 1993.

AFOSR: Advanced Formal Methods for Critical Systems Software. Scott Smolka, Rance Cleaveland, Insup Lee (U. Penn), and Philip M. Lewis, 1995.

NSF: LMC, A System for the Specification and Evaluation of Logic-Based Model Checking. C.R. Ramakrishnan, I.V. Ramakrishnan, Scott Smolka and David S. Warren, 1997.

JPL/NSA: Superconductor Technology for HTMT Computer Architecture, Larry Wittie and two other co-PIs, 1997.

DARPA: Survivable Active Networks, R. Sekar and Mark Segal (Telcordia Technologies), 1997.

Computer Associates: Growing the Computer Science Undergraduate Program (including undergraduate scholarships, computer laboratories, and graduate teaching assistantships), 1998.

ONR: Model-Carrying Code: A New Approach to Mobile Code Security. R. Sekar PI, C.R. Ramakrishnan, I.V. Ramakrishnan, and Scott Smolka, 2001.

NSF ITR/SY(CISE): Cache-Oblivious Data Structures. Lars Arge, Michael Bender, Erik Demaine, 2001.

National Institute of Health: Developing Virtual Colonoscopy for Cancer Screening, J. Liang, A. Kaufman, and M.R. Wax, 2001.

New York State (with Industrial Matching Funds): Center of Excellence in Wireless and Information Technology (CEWIT), 2002.

NSF: Model Checking for Detecting Computer System Vulnerabilities. C.R. Ramakrishnan, I.V. Ramakrishnan, R. Sekar, Scott A. Smolka and Scott D. Stoller, 2002.

NSF ITR: Transactions Everywhere, Michael Bender, Bradley Kuszmaul, Charles Leiserson, 2003.

NSF: Intelligent Deformable Models, Hong Qin (Demetri Terzopoulos from New York University (PI), Ronald Fedkiw from Stanford University (co-PI), and Stanley Osher from UCLA (co-PIs)), 2003.

NS, Federal Cyber Corps: Scholarship for Service. PI: R. Sekar; Co-PIs: Tzi-cker Chiueh, IV Ramakrishnan, Scott D. Stoller, and Erez Zadok; Senior Personnel: Samir Das, David Furgeson, Alexander Mohr, C.R. Ramakrishnan, Scott Smolka, and Amanda Stent, 2004.

Some Current Numbers

Faculty	Distinguished Professors	1
	Full Professors	12
	Associate Professors	9
	Assistant Professors	11
	Research Professors	1
	Lecturers	7
	Emeritus Faculty	5
	Affiliated Faculty	6
Students	Ph.D.	145
	M.S.	151
	B.S. Majors	533
	B.S. Pre-Majors	141
	2004 Graduates	372
Staff	Administrative	7
	Systems	6
Laboratories	Undergraduate Teaching	5
	Graduate Teaching	4
	Research	19

Some Books Authored or Edited by Faculty

M. Kifer, A. Bernstein, P. Lewis, Database Systems: An Application-Oriented Approach, Second Edition (Complete Version), Addison Wesley, 2006.

Dina Q. Goldin, Scott A. Smolka, Peter Wegner (Eds.), Interactive Computation: The New Paradigm, Springer-Verlag, 2005 (To appear).

Eduard Groeller, Issei Fujishiro, Klaus Mueller, Tom Ertl, co-editors, International Workshop on Volume Graphics 2005, Eurographics and IEEE VGTC, publishers, Stony Brook, New York, June 20-21, 2005

M. Kifer, A. Bernstein, P. Lewis, Database Systems: An Application-Oriented Approach, Second Edition (Introductory Version), Addison Wesley, 2005.

Issei Fujishiro, Klaus Mueller, Arie Kaufman (eds.) Volume Graphics 2003, ACM Press, 2003.

Dina Q. Goldin, Alex A. Shvartsman, Scott A. Smolka, Jeffrey S. Vitter, Stan B. Zdonik (Eds.), Proceedings of the Paris C. Kanellakis Memorial Workshop on Principles of Computing & Knowledge, ACM Press, New York (2003).

S. Pemmaraju, S. Skiena, Computational Discrete Mathematics: Combinatorics and Graph Theory in Mathematica, Cambridge University Press, 2003.

S. Skiena, M. Revilla, Programming Challenges: The Programming Contest Training Manual, Springer-Verlag, 2003 (translations into Korean and Polish).

P. Lewis, A. Bernstein, M. Kifer, Databases and Transaction Processing An Application-Oriented Approach, Addison Wesley, 2002.

Klaus Mueller, Chris Johnson (eds.) Symposium on Volume Visualization and Graphics 2002, ACM Press, 2002.

D.-Z. Du, K. Ko, J. Wang, Introduction to Computational Complexity, (in Chinese), Higher Education Press, Beijing, 2002.

Shriram Krishnamurthi, C. R. Ramakrishnan (Eds.), Fourth International Symposium on Practical Aspects of Declarative Languages (PADL), Lecture Notes in Computer Science 2257, Springer, 2002.

Jan Bergstra, Alban Ponse, Scott A. Smolka (Eds.), The Handbook of Process Algebra, Elsevier Science B.V., Amsterdam, 1,342 pp. (2001).

Klaus Mueller, Arie Kaufman (eds.) Volume Graphics 2001, Springer Verlag, 2001.

D.-Z. Du, K. Ko, Problem Solving in Automata, Languages, and Complexity, John Wiley & Sons, New York, 2001.

S. Skiena, Calculated Bets, Cambridge University Press, 2001.

E. Zadok, Linux NFS and Automounter Administration, Sybex, 2001

D. R. Smith, P. Franzon, Verilog styles for Synthesis of Digital Systems, Prentice-Hall, 2000.

M. Chen, A. Kaufman, R. Yagel (eds.), Volume Graphics, Springer-Verlag, 2000.

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- D.-Z. Du, K. Ko, *Theory of Computational Complexity*, John Wiley & Sons, New York, 2000.
- S. Molnar, B-O. Schneider, G. Knittel, H. Pfister, A. Kaufman, W. Strasser (eds.), *Proceedings of the Workshop on Graphics Hardware*, ACM SIGGRAPH Press, 1999.
- K. R. Apt, V. W. Marek, M. Truszczynski, D. S. Warren, editors, *The Logic Programming Paradigm: A 25-Year Perspective*, Springer, 1999.
- T. Pavlidis, *Fundamentals of X Programming*, Kluwer Academic/Plenum Publishing, April 1999.
- G. Knittel, H. Pfister, W. Strasser, A. Kaufman (eds.), *Proceedings of the Workshop on Graphics Hardware*, ACM SIGGRAPH Press, 1998.
- R. K. Larson, D. S. Warren, J. Freire, K. Sagonas, O. P. Gomez, *Semantica*, MIT Press, 1997.
- S. Skiena, *The Algorithm Design Manual*, Springer-Verlag, 1997.
- W. Strasser, A. Kaufman, S. Molnar, B-O. Schneider (eds.), *Proceedings of the Workshop on Graphics Hardware*, ACM SIGGRAPH Press, 1997.
- D.-Z. Du, K. Ko, (editors), *Advances in Algorithms, Languages and Complexity*, Kluwer, Boston, 1997.
- T. Pavlidis, *Interactive Computer Graphics in X*, PWS Publishing Company, Boston, 1996.
- R. K. Larson, D. S. Warren, J. Freire, K. Sagonas, *Syntactica*, MIT Press, 1996.
- Scott A. Smolka, Insup Lee (Eds.), *CONCUR '95: Concurrency Theory, 6th International Conference, Lecture Notes in Computer Science, Volume 962*, Springer-Verlag, Berlin, 1995.
- A. Kaufman, W. Krueger (eds.), *Proceedings of the Volume Visualization Symposium*, ACM SIGGRAPH Press, 1994.
- D. Bergeron, A. Kaufman (eds.), *Proceedings of the IEEE Visualization Conference*, IEEE Computer Society Press, 1994.
- L. Rosenblum, R. Earnshaw, J. Encarnacao, H. Hagen, A. Kaufman, S. Klimenko, G. Nielson, F. Post, D. Thalmann (eds.) *Scientific Visualization: Advances and Challenges*, Academic Press, 1994.
- A. Kaufman (ed.), *Rendering, Visualization, and Rasterization Hardware*, Springer-Verlag, 1993.
- A. Kaufman, G. Nielson (eds.), *Proceedings of the IEEE Visualization Conference*, IEEE Computer Society Press, 1992.
- A. J. Bernstein, P. M. Lewis, *Concurrency in Programming and Database Systems*, Jones and Bartlett, 1992.
- A. Kaufman, W. Lorensen (eds.), *Proceedings of the Volume Visualization Workshop*, ACM SIGGRAPH Press, 1992.
- R.L. Grimsdale, A. Kaufman (eds.), *Advances in Computer Graphics Hardware*, Springer-Verlag, 1992.

C. Delobel, M. Kifer, Y. Masunaga (eds.), Deductive and Object-Oriented Databases, Second International Conference, Lecture Notes in Computer Science, Vol. 566, Springer, 1991.

A. Kaufman, Volume Visualization, IEEE Computer Society Press, 1991.

K. Ko, Complexity Theory of Real Functions, Birkhauser-Boston, 1991.

M. Kifer, S.A. Smolka, "OSP: An Environment for Operating System Projects," Addison Wesley, 1990.

R. Mohr, T. Pavlidis, A. Sanfeliu (editors), Structural Pattern Analysis, Series in Computer Science -vol.19, World Scientific, 1990 (260 pp.).

A. Kaufman (ed.) Proceedings of the IEEE Visualization Conference, IEEE Computer Society Press, 1990.

D. Maier, D. S. Warren, Computing with Logic: Logic Programming and Prolog, Benjamin/Cummings, 1988.

G. Ferrate, T. Pavlidis, A. Sanfeliu, H. Bunke (editors), Syntactic and Structural Pattern Recognition, NATO ASI Series, Series F, vol. 45, Springer-Verlag, 1988.

A. Kaufman (ed.), Proceedings of the IPA Conference on Image Processing, Computer Graphics, and Pattern Recognition, IPA Press, 1983.

H. Freeman, P.M. Lewis, eds, Software Engineering, Academic Press, 1980.

P.M. Lewis, D.J. Rosenkrantz, R.E. Stearns, Compiler Design Theory , Addison-Wesley, Reading, Mass., 1976.

B. Freitag, S. Decker, M. Kifer, A. Voronkov (eds) Transactions and Change in Logic Databases Lecture Notes in Computer Science, 1972.

P.M. Lewis, C.L. Coates, Threshold Logic , John Wiley & Sons, New York, 1967.



Some Distinguished Alumni/ae from the Early Years

1973 (first Ph.D)	Ben Schneiderman Professor, University of Maryland
1974	Ike Nassi Chairman, Firetide Inc.
1975	Scott Abbey Executive Vice President, UBS PaineWebber
1976	Avi Silberschatz Professor, Yale University
1977	John Hennessy President, Stanford University
1978	Barbara Simons President, ACM; IBM Research
1978	Fred B. Schneider Professor, Cornell University
1983	David Gelernter Professor, Yale University

Department Chairs

Dick Kieburtz	1969 to 1975
Aaron Finerman	1975 to 1977
Jack Heller	1977 to 1984
Art Bernstein	1984 to 1986
Dave Smith	1986 to 1987
Phil Lewis	1987 to 1996
Dave Warren	1996 to 1999
Arie Kaufman	1999 to present

Current Faculty and Staff

Distinguished Professors	Arie Kaufman (Chair)	Ben Gurion University, Israel
Full Professors	Leo Bachmair	University of Illinois at Urbana-Champaign
	Tzi-cker Chiueh	University of California at Berkeley
	Rance Cleaveland	Cornell University
	Michael Kifer	Hebrew University, Israel
	Ker-I Ko	Ohio State University
	Philip Lewis	Massachusetts Institute of Technology
	I.V. Ramakrishnan	University of Texas
	Steve Skiena	University of Illinois at Urbana-Champaign
	Scott Smolka	Brown University
	Gene Stark	Massachusetts Institute of Technology
	Dave Warren	University of Michigan
	Larrie Wittie	University of Wisconsin
Associate Professors	Hussein Badr	Pennsylvania State University
	Michael Bender	Harvard University
	Samir Das	Georgia Institute of Technology
	Annie Liu	Cornell University
	Hong Qin	University of Toronto, Canada
	C.R. Ramakrishnan	State University of New York at Stony Brook
	R. Sekar	State University of New York at Stony Brook
	Scott Stoller	Cornell University
	Anita Wasilewska	Warsaw University, Poland

Assistant Professors	Michael Ashikhmin	University of Utah
	Jie Gao	Stanford University
	Radu Grosu	Technical University of Munich, Germany
	Xianfeng Gu	Harvard University
	Himanshu Gupta	Stanford University
	Alexander Mohr	University of Washington
	Klaus Mueller	Ohio State University
	Dimitris Samaras	University of Pennsylvania
	Radu Sion	Purdue University
	Amanda Stent	University of Rochester
Erez Zadok	Columbia University	
Research Professors	George Hart	Massachusetts Institute of Technology
Lecturers	Ahmad Esmaili	State University of New York at Stony Brook
	Rob Kelly (Assoc. Chair)	New York University
	Rich McKenna	State University of New York at Stony Brook
	Shaunak Pawagi	University of Maryland
	Tony Scarlatos	Adelphi University
	Michael Tashbook	Virginia University
	Rong Zhao	Wayne State University
Emeritus Faculty	Art Bernstein	Columbia University
	Herb Gelernter	University of Rochester
	Jack Heller	Brooklyn Polytechnic Institute
	Theo Pavlidis	University of California at Berkeley
	Dave Smith	University of Wisconsin

Current Faculty and Staff (continued)

Affiliated Faculty

Esther Arkin
Susan Brennan
David Furgeson

Jerome Liang
Joe Michell
Yuanyuan Yang

Stanford University
Stanford University
University of California at
Berkeley
City University of New York
Stanford University
John Hopkins University

Administrative Staff

Dolores Ambrose
Kathy Germana
Betty Knittweis
Stella Mannino
Edwina Osmanski
Shakeera Thomas
Rose Anne Vultaggio

Systems Staff

Madhuchhanda Bhowal
Ajay Gupta
Anne Kilarjian
Ashwin Nagrani
Brian Tria
Bin Zhang



Former Faculty

Eralp Ralph Akkoyunlu	1970 -1977
Amit Bandopadhyay	1986 -1993
Arthur Bernstein	1970 -2005
Gael Buckley	1984 -1986
John Cherniavsky	1972 -1981
Kattamuri Ekanadham	1976 -1981
Charles Fiduccia	1971 -1979
Aaron Finerman	1961 -1978
Herbert Gelernter	1966 -1997
Alessandro Giacalone	1984 -1991
Jack Heller	1970 -1997
Peter Henderson	1974 -1999
Jieh Hsiang	1982 -1998
Mark Jones	1980 -1984
Zvi Kedem	1978 -1985
Richard Kieburtz	1970 -1982
David Maier	1978 -1982
Prateek Mishra	1985 -1998
Manuel Oliviera	2000 -2004
Theo Pavlidis	1986 -2001
Shaunak Pawagi	1986 -1992
Bruce Russel	1978 -1980
Sharon Salveter	1978 -1982
Gary Schloss	1991 -1994
Edward Sciore	1980 -1986
Alan Siegel	1983 -1984
David Smith	1970 -2000
M. K. Srivas	1982 -1989
Daniel Tycko	1967 -1979
Amitabh Varshney	1994 -2001
Yechzekel Zalcstein	1972 -1979
Alessandro Zorat	1979 -1987

Message from Alumnus Myung Oh



I would like to congratulate the Stony Brook University on the 35th anniversary of the Computer Science Department and extend my regards and best wishes to its staff and students.

The single greatest asset my Stony Brook University afforded me was the ability to work confidently and comfortably with people, allowing me to participate in a broad spectrum of activities.

Indeed, when I served as Senior Secretary to the President for Economics and Science Policy in early 1980s, I was able to push ahead with developing electronics, semiconductors, and telecommunications as key future industries of Korea against surging opposition from economy bureaucrats. Also, when I served as Minister of Communications in 1980s, I could

boldly pursue the development of Time-division Telephone Exchanger (TDX), 4MD RAM, CDMA, and Supermini Computer technologies as well as the planning of high-speed train and Incheon International Airport as Minister of Construction and Transportation in 1990s.

From my perspective, I was provided with an invaluable set of skills and strategies, which has allowed me to pursue a diverse and rewarding career at public and private levels in Korea as Deputy Prime Minister, Minister of four different administrations, Chairperson of Korea's first EXPO, President of Korea Baseball Organization (KBO), President of Donga Daily Newspaper, and President of Ajou University.

Today, as Deputy Prime Minister and Minister of Science and Technology, I am overseeing the implementation of microeconomic policies including R&D, human resource development, and industries.

I feel confident that Stony Brook University will continue to give you the professional and intellectual assets you need to succeed in your careers. As many graduates of this department are now leading in various social sectors, I also expect you all to become leaders for the future. Again, I congratulate Stony Brook University on the 35th Anniversary of its Computer Science Department.

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