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Former PITAC Members (1997-2001)

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Eric A. Benhamou, Ph.D.	3Com Corporation
Vinton G. Cerf, Ph.D.	WorldCom
Ching-chih Chen, Ph.D.	Simmons College
David M. Cooper, Ph.D.	Lawrence Livermore National Laboratory
Steven D. Dorfman	Hughes Electronics Corporation
David W. Dorman	AT&T
Robert J. Ewald	Learn 2 Corporation
David J. Farber	University of Pennsylvania
Sherrilynne S. Fuller, Ph.D.	University of Washington School of Medicine
Hector Garcia-Molina, Ph.D.	Stanford University
Susan L. Graham, Ph.D.	University of California - Berkeley
James N. Gray, Ph.D.	Microsoft Research

W. Daniel Hillis, Ph.D.	Applied Minds, Inc.
William Joy	Sun Mircrosystems
Robert E. Kahn, Ph.D.	Corporation for National Research Initiatives (CNRI)
Ken Kennedy, Ph.D.	Rice University
John P. Miller, Ph.D.	Montana State University
David C. Nagel, Ph.D.	Palm, Inc.
Raj Reddy, Ph.D.	Carnegie Mellon University
Edward H. Shortliffe, M.D., Ph.D.	Columbia University
Larry Smarr, Ph.D.	University of California - San Diego
Joe F. Thompson, Ph.D.	Mississippi State University
Leslie Vadasz	Intel Corporation
Andrew J. Viterbi, Ph.D.	QUALCOMM Incorporated
Steven J. Wallach	Chiaro Networks
Irving Wladawsky-Berger, Ph.D.	IBM Corporation

Former PITAC Members Biographies

Eric A. Benhamou's professional and personal accomplishments center on the creation and intelligent deployment of information technology, around the world, both in business and non-profit environments.

Eric Benhamou is the chairman of the Board of Directors of 3Com Corporation, Palm Inc. He served as chief executive officer of 3Com Corporation from September 1990 until December 31, 2000. Previously, he held a variety of senior management positions in engineering, operations, and management at 3Com.

In 1981, Mr. Benhamou co-founded Bridge Communications, an early networking pioneer, and was vice president of engineering until its merger with 3Com in 1987. Before joining Bridge Communications, he worked four years at Zilog, Inc., serving as project manager, software engineering manager and design engineer.

In 1992, he received the President's Environment and Conservation Challenge Award, the United States' highest environmental award. In 1997, former President Bill Clinton appointed Mr. Benhamou to the President's Information Technology Advisory Committee which advises the President on research and development focal points of federal programs to maintain United States leadership in advanced computing and communications technologies and their applications.

In 1998 Mr. Benhamou was recognized by former Israeli Prime Minister Benjamin Netanyahu with the Foreign Investor Jubilee Award for investments and contributions made by the company in furthering the ongoing development of Israel's economy. That same year, Benhamou received the Ellis Island Medal of Honor, which pays homage to the immigrant experience, as well as individual achievement to U.S. citizens from various ethnic backgrounds. He is also a graduate of the American Leadership Forum which seeks to revitalize leadership within communities across the nation. In 1997, Benhamou received the Medaille Habif.

Mr. Benhamou currently serves as chairman of the board of Cypress Semiconductor and as a member of the board of Legato. He serves on the board of directors of privately held companies, Intransa and Atrica. Mr. Benhamou serves on the executive committee of TechNet. In addition he serves on the board of directors of Stanford University School of Engineering board of advisors. He serves as vice chairman of the board of governors of Ben Gurion University and as chairman of Western Governor's University's National Advisory Board.

Mr. Benhamou, 46, holds honorary doctoral degrees from Ben Gurion University of the Negev, Widener University and the University of South Carolina. He has a master of science degree in electrical engineering from Stanford University and a Diplôme d'Ingénieur from Ecole Nationale Supérieure d'Arts et Métiers, Paris.

Vinton G. Cerf is Senior Vice President of Internet Architecture and Technology for WorldCom. Dr. Cerf's team of architects and engineers design advanced Internet frameworks for delivering a combination of data, information, voice and video services for business and consumer use. Widely known as a "Father of the Internet," he is the co-designer of the TCP/IP protocols and the architecture of the Internet.

In December 1997, President Clinton presented the U.S. National Medal of Technology to Dr. Cerf and his partner, Robert E. Kahn, for founding and developing the Internet. Prior to rejoining MCI in 1994, he was Vice President of the Corporation for National Research Initiatives (CNRI). As Vice President of MCI Digital Information Services from 1982-1986, he led the engineering of MCI Mail, the first commercial email service to be connected to the Internet. During his tenure from 1976-1982 with the U.S. Department of Defense's Advanced Research Projects Agency (DARPA), Cerf played a key role leading the development of Internet and Internet-related data packet and security technologies.

Ching-chih Chen of Boston, Massachusetts, is a Professor in the Graduate School of Library and Information Science, Simmons College. She is a Fellow of the American Association for the Advancement of Science.

David M. Cooper of Livermore, California, is Associate Director of Computation at the Lawrence Livermore National Laboratory. He received the 1994 NASA Medal for Outstanding Leadership and Exceptional Service for his pioneering work on high performance computing.

Steven D. Dorfman of Los Angeles, California, is retired Vice Chairman of Hughes Electronics Corporation. He is a member of the National Academy of Engineering and a recipient of the NASA Distinguished Public Service Award and Satellite Executive of the Year, 1996. He has served on advisory boards for the FCC, Department of Transportation, NASA, USIA, National Research Council and the USC School of Engineering.

Robert J. Ewald of White Plains, New York, is Executive Chairman of Learn2 Corporation. He served on the Supercomputer Performance and Development Committee of the National Academy of Sciences.

David J. Farber is Alfred Fittler Moore Professor of Telecommunications, School of Engineering and Applied Science, University of Pennsylvania. Professor Farber's career has been focused on the understanding of and the development of technology in the computer and communications area. He started in 1956 with a BS in General Engineering from Stevens Institute of Technology. He started work at Bell Telephone Laboratories, helping to design the world's first electronic switching system which was later installed at Morris, Illinois. This system was the analogue of the ENIAC for today's computer-based telephone systems. He later went on to do pioneering work in programming languages, resulting in the SNOBOL programming language, which is a predecessor of many of today's pattern-match capable languages such as the AWK language and the UNIX Shell command interpreter. After a period at the RAND Corp, he left industry to join the University of California at Irvine (UCI) as a faculty member. At UCI he was responsible for the conceptualization of the first operational distributed computer system sponsored by the U.S. National Science Foundation -- the DCS system which was the first use of client-server ideas, along with the first micro kernel and the first ring-type Local Area Network. At the University of Delaware, Prof. Farber collaborated in the creation and operation of CSNET and the NREN as well as co-authoring the proposal which resulted in the U.S. Gigabit Testbeds. At the University of Pennsylvania, Prof. Farber holds The Alfred Fittler Moore Chair of Telecommunication Systems. Prof. Farber serves on many industrial and government advisory committees, and is a Fellow of the IEEE. He serves on the Board of Trustees of both the Electronic Frontier Foundation and the Internet Society.

Sherrilynne S. Fuller of Seattle, Washington, is head of the Division of Biomedical Informatics, Department of Medical Education, School of Medicine, Director of the Health Sciences Libraries and Information center, and Director of the National Network of Libraries of Medicine, Pacific Northwest all at the University of Washington. She is a Fellow of the American College of Medical Informatics.

Hector Garcia-Molina of Stanford, California, is Leonard Bosack and Sandra Lerner Professor and Chair of the Computer Science Department at Stanford University. He is a Fellow of the Association for Computing Machinery and received a 1984-1989 NSF Presidential Young Investigator Award.

Susan L. Graham of Berkeley, California, is Pehong Chen Distinguished Professor of Electrical Engineering and Computer Science in the Department of Electrical Engineering and Computer Science at the University of California, Berkeley. She is a Fellow of the American Academy of Arts & Sciences, the American Association for the Advancement of Science, and the Association for Computing Machinery, and a member of the National Academy of Engineering.

James N. Gray of San Francisco, California, is a senior researcher in Microsoft's Scalable Servers Research Group and manager of Microsoft's Bay Area Research center. He is a Fellow of the Association for Computing Machinery and a member of the National Academy of Engineering.

W. Daniel Hillis of Applied Minds, Inc. in Glendale, California, is Chairman and Chief Technology Officer. Previously, Hillis was Vice President, Research and Development at Walt Disney Imagineering, and a Disney Fellow. Danny Hillis is an inventor, scientist, author, and engineer. He pioneered the concept of parallel computers that is now the basis for most supercomputers, as well as the RAID disk array technology used to store large databases. Hillis co-founded Thinking Machines Corp., which was the first company to build and market massive parallel computers and RAID disk arrays. He holds over 40 U.S. patents, and has also written extensively on technology and its implications. He recently published his second book, *The Pattern on the Stone*, in which he explains the basic ideas that make computers work, and is also the designer of a 10,000-year mechanical clock. Dr. Hillis is the recipient of numerous awards, including the Spirit of American Creativity Award for his inventions, the Hopper Award for his contributions to computer science and the Ramanujan Award for his work in applied mathematics. He is a Fellow of the Association of Computing Machinery and a Fellow of the American Academy of Arts and Sciences.

Robert E. Kahn of McLean, Virginia, is founder, CEO, and President of the Corporation for National Research Initiatives (CNRI). He is a former member of the Board of Regents of the National Library of Medicine and the United States Advisory Council on the National Information Infrastructure. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the American Association for Artificial Intelligence (AAAI). He is also the recipient of numerous awards including the National Medal of Technology for his role in the creation and development of the Internet, the IEEE Alexander Graham Bell Medal, the Marconi Award, and twice the recipient of the Secretary of Defense Meritorious Civilian Service Award.

Ken Kennedy of Houston, Texas, is Director of the center for Research on High Performance Software (HiPerSoft) at Rice University and Ann and John Doerr Professor of Computer Science. He is a Fellow of

the American Association for the Advancement of Science, the Association for Computing Machinery, and the Institute of Electrical and Electronics Engineers; a member of the National Academy of Engineering; and in 1995 received the W. Wallace McDowell Award, the highest research award of the IEEE Computer Society. He was co-chair of the President's Information Technology Advisory Committee from February 1997 to August 1999. In 1999, he was named recipient of the ACM SIGPLAN Programming Languages Achievement Award; and received the 1999 CRA Distinguished Service Award and the 1999 RCI Seymour Cray HPC Industry Recognition Award.

John P. Miller of Bozeman, Montana, is Director of the center for Computational Biology and Professor of Cell Biology and Neuroscience at Montana State University, Bozeman. He is one of five co-founders of the Journal of Computational Neuroscience.

David C. Nagel of Los Gatos, California is President and CEO of the Platform Systems Group of Palm, Inc. As CEO, Nagel is creating a new line of business for Palm, focused on licensing the Palm OS and associated products to a diverse set of licensees worldwide, including Palm, Inc. The formation of the Platform Systems Group subsidiary was announced earlier in 2001 by the Palm board of directors. Nagel remains a member of the Palm Board.

Prior to joining Palm in September, he was the Chief Technology Officer of AT&T and President of AT&T Labs. In those roles, Nagel oversaw the development of a new generation of Internet and other communications and information services and generally led the company's investments and efforts in research and development. Nagel also served as CTO for Concert, the international joint venture between AT&T and BT.

Prior to joining AT&T, Nagel was Senior Vice President of Apple Computer, Inc., where he led the worldwide research and development group responsible for Macintosh hardware, Mac OS software, imaging and other peripheral products. He is a member of several corporate boards, is a member of the FCC Technology Advisory Council, and a member of the Board of Councilors of the UCLA Foundation.

Raj Reddy of Pittsburgh, Pennsylvania, is a Herbert A. Simon University Professor of Computer Science and Robotics at Carnegie Mellon University. He is a member of the National Academy of Engineering and President of the American Association for Artificial Intelligence.

Edward H. Shortliffe of New York City, is Professor and Chair of the Department of Medical Informatics, Professor of Medicine, and Professor of Computer Science at Columbia University's, College of Physicians and Surgeons. He is a member of the Institute of Medicine at the National Academy of Sciences, a Fellow of the American College of Medical Informatics and of the American Association for Artificial Intelligence, and has served on the Computer Science and Telecommunications Board of the National Research Council.

Larry Smarr is Director of the California Institute for Telecommunications and Information Technology and founding Director of the Alliance and the National center for Supercomputing Applications. He is also a Professor of Astronomy and Physics at the University of Illinois at Urbana-Champaign. He is a Fellow of the American Academy of Arts and Science and of the American Physical Society and a

member of the National Academy of Engineering.

Joe F. Thompson of Starkville, Mississippi, is the William L. Giles Distinguished Professor of Aerospace Engineering in the Department of Aerospace Engineering at Mississippi State University and was founding Director of the National Science Foundation Engineering Research center for Computational Field Simulation at Mississippi State University.

Leslie Vadasz of Santa Clara, California, is Executive Vice President of Intel Corporation, President, Intel Capital.

Steven J. Wallach of Richardson, Texas, is vice President at Chiaro Networks and an Advisor at centerPoint Ventures and was Chief Technology Officer of Hewlett-Packard Company's Convex Technology center and co-founder of Convex Computer Corporation. He is a member of the National Academy of Engineering and serves on the External Advisory Committee of the center for Research on Parallel Computation headquartered at Rice University.

Irving Wladawsky-Berger of Westport, Connecticut, is Vice President for Technology and Strategy, Enterprise Systems Group, at IBM Corporation. He is a founding member of the Computer Sciences and Telecommunications Board of the National Research Council and a former member of both the Commission on Physical Sciences, Mathematics and Resources, and the National Research Council.