RANDALL DAVIS

Randall Davis received his undergraduate degree from Dartmouth, graduating summa cum laude, Phi Beta Kappa in 1970, and received a PhD from Stanford in artificial intelligence in 1976.

In 1978 he joined the faculty of the Electrical Engineering and Computer Science Department at MIT, where from 1979-1981 he held an Esther and Harold Edgerton Endowed Chair. He later served for 5 years as Associate Director of the Artificial Intelligence Laboratory. He is currently a Full Professor in the Department, and a Research Director of CSAIL, the newly-formed Computer Science and Artificial Intelligence Laboratory that resulted from the merger of the AI Lab and the Lab for Computer Science. He and his research group are developing advanced tools that permit natural, sketch-based interaction with software, particularly for computer-aided design and design rationale capture.

Dr. Davis has been one of the seminal contributors to the field of knowledge-based systems, publishing some 50 articles and playing a central role in the development of several systems. He serves on several editorial boards, including *Artificial Intelligence*, *AI in Engineering*, and the MIT Press series in AI. He is the co-author of *Knowledge-Based Systems in AI*, and was selected in 1984 as one of America's top 100 scientists under the age of 40 by *Science Digest*. In 1986 he received the *AI Award* from the Boston Computer Society for his contributions to the field. In 1990 he was named a Founding Fellow of the American Association for AI and in 1995 was elected to a two-year term as President of the Association. In 2003 he received MIT's Frank E. Perkins Award for graduate advising. From 1995–1998 he served on the Scientific Advisory Board of the U. S. Air Force.

Dr. Davis has been a consultant to several major organizations, including Digital Equipment Corp, IBM, Aetna, and Schlumberger, and has been involved in the founding of three software companies.

Dr. Davis has also been active in the area of intellectual property and software. In 1990 he served as expert to the Court in *Computer Associates v. Altai*, (775 F. Supp. 544 (E.D.N.Y. 1991); 982 F 2d 693) a case that produced the abstraction, filtration, comparison test for software copyright. He served on the panel run by the Computer Science and Telecommunications Board (CSTB) of the National Academy of Science in 1991 that resulted in *Intellectual Property Issues in Software,* and served as a member of the Advisory Board to the US Congressional Office of Technology Assessment study on software and intellectual property that was published in 1992 as *Finding a Balance: Computer Software, Intellectual Property, and the Challenge of Technological Change*. A 1994 paper in the *Columbia Law Review* analyzed the difficulties in applying intellectual property law to software and proposed a number of remedies.

He has served as an expert in a variety of cases involving software, including the investigation by the Department of Justice of the Inslaw matter (40 Fed. Cl. 843; 1998

U.S. Claims), where he investigated allegations of copyright theft and cover-up by the Federal Bureau of Investigation, the National Security Agency, the Drug Enforcement Agency, the United States Customs Service, and the Defense Intelligence Agency. From 1998-2000 he served as the chairman of the National Academy of Sciences study on intellectual property rights and the information infrastructure entitled *The Digital Dilemma: Intellectual Property in the Information Age*, published by the National Academy Press in February, 2000.

Dr. Davis has appeared on *The Macneil/Lehrer Report* and *Innovations* (WNET, NY), and played a major role in *This Computer Thing*, a pilot for an educational series (WGBH, Boston) about personal computers. He has been quoted in articles in *The New York Times, The Wall Street Journal, Business Week, The Economist, The Boston Globe, High Technology*, and *Psychology Today*. Interviews have appeared in *Computerworld* and on National Public Radio's *All Things Considered*. He has been a featured speaker in Texas Instrument's Satellite Symposium, and on Electronic Data Systems' internationally broadcast “Directions” program.