

NATIONAL COMPUTER SYSTEMS
SECURITY AWARD
PRESENTED TO
DOROTHY E. DENNING
OCTOBER 1999

FOR RECOGNITION OF OUTSTANDING CONTRIBUTIONS TO THE FIELD OF COMPUTER SECURITY BY DEVELOPING THE CONCEPT OF REAL-TIME DETECTION OF ANOMALIES IN COMPUTER SYSTEMS THAT ARE INDICATIVE OF INTRUSIONS AND PROVIDE EXPERT INTERFACE TO ADMINISTRATORS TO TAKE TIMELY ACTIONS; AND FOR RESEARCH ENCOMPASSING THE AREAS OF INFORMATION WARFARE AND ASSURANCE, ENCRYPTION POLICY AND TECHNOLOGY, AND THE IMPACT OF COMPUTER NETWORKS ON SOCIETY.

THIS AWARD IS PRESENTED BY THE INFORMATION TECHNOLOGY LABORATORY AND
THE NATIONAL COMPUTER SECURITY CENTER



Dorothy E. Denning is professor of Computer Science and professor and member of the advisory board of the Communication, Culture and Technology program at Georgetown. Her current work encompasses the areas of information warfare and assurance, encryption policy and technology, and the impact of technology on law enforcement and society.

Before coming to Georgetown in 1991, Dr. Denning was a member of the research staff at Digital Equipment Corporation, a senior staff scientist at SRI International, and an associate professor at Purdue University. She has served as president of the International

Association for Cryptologic Research, chair of the International Cryptography Institute, chair of the National Research Council Forum on Rights and Responsibilities of Participants in Networked Communities, co-chair of the ACM Conference on Computer and Communications Security, member of the National Institute of Standards and Technology Review Panel on Information Technology, member of the ACM cryptography policy study group, and member of the board of directors of the Computing Research Association. She is presently a member of the President's Export Council Subcommittee on Encryption Policy .

Dr. Denning is author of *Information Warfare and Security* (Addison Wesley, 1999), *Cryptography and Data Security* (Addison Wesley, 1982) and over 100 articles. She is co-editor of *Internet Besieged: Countering Cyberspace Scofflaws* (Addison Wesley, 1998). She has testified before the U.S. Senate and House of Representatives on encryption, is a frequent lecturer at conferences and symposia, and has appeared on TV and radio programs in the U.S., Canada, Australia, Japan, and Sweden. She is an ACM Fellow and recipient of the Distinguished Lecture in Computer Security Award. Denning received the A.B. and A.M. degrees in mathematics from the University of Michigan and the Ph.D. degree in computer science from Purdue University.