

Contributors to This Issue

Thomas Beth received the Dr.rer.nat. degree in mathematics in 1978 and the Dr.Ing.habil. degree in computer science from the University of Erlangen, Germany, in 1984. He was a professor of computer science at Royal Holloway College, University of London, UK, from 1984 to 1985. Since then, Dr. Beth has been a professor of computer science at the University of Karlsruhe, Karlsruhe, Germany. His areas of research are cryptography, algorithm engineering, and computer algebra.

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David A. Chodorow received a B.S. degree in mathematics from Case Western Reserve University in 1975. He has worked for General Electric in Syracuse, NY, and Siemens Research and Technology in Princeton, NJ, prior to his current position at the MITRE Corporation in Bedford, MA. At MITRE, Mr. Chodorow has participated in the joint National Computer Security Center–Defense Intelligence Agency Compartmented Mode Workstations evaluation program. His current interests include operating system and network security.

Allan Heydon is a researcher at the Digital Systems Research Center in Palo Alto, CA. He received his Ph.D. degree in computer science from Carnegie Mellon University in 1992. His interests include formal methods, visual specification languages, programming systems, algorithms, and user interfaces. Recently, Dr. Heydon has been developing a double-view constraint-based drawing editor. His e-mail address is heydon@src.dec.com.

Birgit Klein received the diploma in mathematics in 1990 from the University of Clausthal, Clausthal-Zellerfeld, Germany. She received the Dr.rer.nat. degree in computer science at the University of Karlsruhe, Germany in 1993. Her areas of research include security in distributed systems and cryptography.

Marjan Krajewski Jr., is currently the department assistant for information security and networking in the Distributed Systems Department of the MITRE Corporation in Bedford, MA. He has more than 16 years' experience in the application of security and communications technology to information systems. Mr. Krajewski holds a B.S. and an M.Engr. degree in electrical engineering from Rensselaer Polytechnic Institute and an M.S. degree in engineering management from Northeastern University. He is a member of the IEEE and the IEEE Computer Society. His current interests include the development of information security and system-network management architectures based on the integration of commercial products.

Leonard J. LaPadula, principal engineer at the MITRE Corporation, Bedford, MA, began his professional involvement in computer security in the early 1970s, co-authoring a mathematical model for computer security. After several years of database management work, he returned to information security work in the early 1980s as principal architect of network security software for the DOD Intelligence Information System intercomputer network. More recently, Mr. LaPadula participated in the development of a network security policy for the Integrated Tactical Warning and Attack Assessment system-of-systems for the U.S. Air Force. He was general chair of the 1992 Computer Security Foundations Workshop and is currently working on modeling external consistency of automated systems.

Jonathan T. Trostle received a B.A. degree with honors in mathematics from the University of California, Santa Barbara, in 1981 and a Ph.D. degree in mathematics from the University of California, San Diego, in 1987. He is currently a member of the technical staff at the MITRE Corporation in Bedford, MA, where he works in the Information Security Technical Center. His research interests include the security of distributed systems and covert channels.

J. Douglas Tygar is an associate professor of computer science at Carnegie Mellon University. He is a National Science Foundation Presidential Young Investigator and has published widely in computer security, operating systems, and applied algorithms. Mr. Tygar can be reached at tygar@cs.cmu.edu.

Willis H. Ware is a senior computer scientist with RAND in Santa Monica, CA, and has devoted his career to all aspects of computer science. In the early 1970s he chaired the "HEW Committee," whose report was the foundation for the Federal Privacy Act of 1974. President Ford appointed him to the subsequent Privacy Protection Study Commission, whose report remains the most extensive examination of private sector record-keeping practices. Dr. Ware is a member of the National Academy of Engineering, a Fellow of the Institute of Electronic and Electrical Engineers, and a Fellow of the American Association for the Advancement of Science.

Raphael Yahalom received a B.S. degree in computer engineering from Technion–Israel Institute of Technology in 1985 and a Ph.D. degree in computer science from Cambridge University in 1990. Since 1990, he has been on the faculty at the School of Business Administration–Information Systems, the Hebrew University, Jerusalem, and has served as a visiting scientist at Cornell University’s Department of Computer Science, MIT’s Sloan School of Management, and the European Institute of Systems Security at Karlsruhe University. Dr. Yahalom’s current research interests include distributed computing, data management systems, data security, and information systems audit and control strategies.