

Contributors to This Issue

Lee Badger received a M.S. in Computer Science from the University of Maryland, College Park, in 1987. In 1989, he joined the staff at Trusted Information Systems Inc. where he has developed operating system code and provided security analysis for Trusted systems targeted at the B2 and B3 TCSEC evaluation levels. His research interests include access control systems, operating system security, distributed systems, formal security policy models, and techniques for making computer security practical and easy to use. His current research is focused on techniques for adding practical security to UNIX using Domain and Type Enforcement. He can be reached at badger@tis.com.

Don Davis is a data-security consultant, specializing in secure protocols and cryptography. He was one of the founding technical staff in OpenVision Technology's security consulting division, and continues to work closely with OpenVision. Don has worked in network security since 1987, when he was one of the Senior Technical Staff at MIT's Project Athena. At MIT, he was one of the designers and builders of the Kerberos Authentication System. Don left Project Athena in 1990. He has published several research articles on secure network protocols and cryptography, in such publications as USENIX conference proceedings, ACM Operating Systems Review, and the annual CRYPTO proceedings of the Int. Assn. for Cryptologic Research (IACR). Don has been a systems software engineer since 1978. He holds a B.Sc. degree in Mathematics from M.I.T. He can be reached at don@mit.edu.

Daniel E. Geer, Jr., Sc.D., is head of engineering for special projects at Open Market, Inc., a market leader in electronic commerce technology with corporate headquarters in Cambridge, Mass., where Dr. Geer is located. Dr. Geer has been a successful entrepreneur in network security and distributed systems management, culminating in a successful sale of his own company to OpenVision Technologies, where he subsequently served as Chief Scientist, V.P. of Technology, and Managing Director of their security consulting services. Previously, he served as Technical Director, Innovation Technology Resource Center, Digital Equipment Corporation, and was Manager of Systems Development for MIT's Project Athena where he was the responsible manager for all technical development, including X, Kerberos, and all other aspects of the Project Athena Network Services System. He holds a Bachelor of Science in Electrical Engineering and Computer Science from MIT, and a Doctor of Science in Biostatistics from Harvard University, and was deeply involved in medical computing for

fifteen years. A frequent speaker, popular teacher and member of several professional societies, he is active in USENIX, having variously chaired the University Relations Committee, served as member of the Tutorial Selection Committee, been Technical Program Chair for the San Diego, California, 1993 general conference, and as champion and ultimately Conference Chair for the First Symposium on Mobile and Location Independent Computing. He began an elected term on the Board of Directors in June, 1994. At this time, he is wrapping up Proceedings of the First USENIX Workshop on Electronic Commerce, held in Manhattan in mid-July, 1995. He can be reached at geer@openmarket.com.

Aviel D. Rubin received his B.S. (1989), M.S.E. (1991) and Ph.D. (1994) in Computer Science from the University of Michigan in Ann Arbor. He is a research scientist at Bellcore in the Computer and Network Security group and an adjunct professor of Computer Science at New York University. He can be reached at rubin@bellcore.com.

David L. Sherman received his B.S. degree in mathematics from Purdue University, and began a career in the development of system software. At National Cash Register and at Modular Computer Systems his work included language and compiler design. During his employment with General Electric his career included both compiler and operating system development. At Honeywell Federal Systems he was one of the primary designers of the multi-processor capability of the security kernel of the XTS200 trusted operating system. His work with trusted software continued at GTE Government Systems. For the past three years he has been working at Trusted Information Systems, developing access control mechanisms for improving system integrity. He can be reached at sherman@tis.com.

Daniel F. Sterne received an M.S. in Computer Science from the University of North Carolina at Chapel Hill in 1978. In 1989, he joined Trusted Information Systems, Inc. where he has been project leader or key participant in a variety of research and consulting efforts concerning computer security. In his prior work at GTE Government Systems and the Johns Hopkins University Applied Physics Laboratory, he was a software designer and methodologist for a large multi-level-secure information processing system and developed software for embedded real-time systems prototypes. His current research interests include access controls, distributed systems, and object-oriented design methods. He can be reached at sterne@tis.com.

Theodore Ts'o received his B.Sc. from MIT in 1990. Starting as a systems programmer at Project Athena, he has been developing distributed systems since 1987. Theodore currently leads the Kerberos V5 development team at the Massachusetts Institute of Technology. Since 1991 he has been extremely active in the Internet Engineering Task Force, where he currently serves on the Security Area Directorate. The Internet Engineering Task Force is a standards body responsible for developing new protocols for the Internet. In addition to his strong interests in network security and cryptography, Theodore also spends a lot of time working on the Linux operating system. In addition to being one of the core kernel developers, he maintains the Linux FTP archive on tsx-11.mit.edu. He can be reached at tytso@mit.edu.

Ken Walker is a computer engineer with Trusted Information Systems. He has performed security analysis on a number of government and private sector ADP systems. His areas of interest include database security and operating system access control mechanisms. Mr. Walker received his B.S. degree in Computer Engineering from Virginia Polytechnic Institute and State University in 1991. He is currently working towards an M.S. degree in Computer Science from Johns Hopkins University. He can be reached at ken@tis.com.

Ira Winkler is a Project Manager and Senior Analyst for Intelligence and Security Studies at Science Applications International Corporation. In his position, he specializes in Information Security and especially in penetration testing. He is also responsible for a variety of tasks including Systems Design, Implementation, and Administration. Previously, he was with the Department of Defense. Mr. Winkler is a Ph.D. Candidate at the University in Maryland. He is also on the Adjunct Faculties of the University of Maryland and the Johns Hopkins University, where he teaches Graduate and Undergraduate courses associated with Information Systems. He has over two dozen publications and professional presentations in the fields of Information Security, Human Factors, and Software Testing. He can be contacted at winkler@cpms.saic.com or +1-301-261-8424.