Distinguished Practitioner: Earl Boebert, Sandia National Laboratories

Earl Boebert is a Senior Scientist at Sandia National Laboratories. He has 44 years experience in computers, 30 of that in communications and computer security, is the holder or co-holder of 13 patents, and has participated in four National Research Council studies on security matters.

Prior to joining Sandia, he was the technical founder and Chief Scientist of Secure Computing Corporation, where he developed the Sidewinder security server, a system that currently protects several thousand sites. Before that he worked at Honeywell, rising to the position of Senior Research Fellow. At Honeywell he worked on secure systems, cryptographic devices, flight software and a variety of real-time simulation and control systems, and won Honeywell's highest award for technical achievement.

The title of Mr. Boebert’s presentation is “The Common Sense of System Design.”

ACSAC Invited Essayist: Dr. Daniel Geer and John Harthorne, @stake, Inc., USA

Dr. Daniel Geer oversees the strategy and direction of @stake’s approach to digital security. Over the last 25 years, he has researched, developed, and instructed on the use of technology in medical computing, distributed systems management, and digital security. Dr. Geer has an extensive background in medical computing, culminating in a systems manager role for the Health Sciences Computer Facility at Harvard University. He went on to manage systems development for MIT’s Project Athena, the first large distributed computing plant. Project Athena introduced much of the general organization of enterprise computing we now take for granted, including the X Window System and Kerberos.

In the private sector, Dr. Geer served as a director of engineering at Open Market, Inc. and as chief scientist and vice president of OpenVision Technologies (now Veritas). Prior to joining @stake, he was vice president and senior strategist at CertCo, the leading on-line risk assurance authority.

An expert in modern security protocols and network solutions, Dr. Geer has been called to testify before the House Science Committee and Subcommittee on Technology about public policy in the age of electronic commerce.

Dr. Geer speaks and publishes regularly on a range of issues in digital security. His November 1998 speech, “Risk Management Is Where the Money Is,” has been widely quoted, warranting both reprint as a special issue of the RISK Digest and prompting editorial comment in Wired Magazine. With Avi Rubin of ATT Research and Marcus Ranum of Network Flight Recorder, he is co-author of The WebSecurity Sourcebook.

He holds a Sc.D. in biostatistics from the Harvard University School of Public Health as well as a B.S. in electrical engineering and computer science from MIT. He recently completed his term as president of USENIX, the advanced computing systems association.