

Advisory Committee on Online Access and Security--Nomination, P004807

Nomination of Daniel E. Geer, Jr.

Current Position: Chief Technologist of SystemExperts Corporation

Criterion 1: The individual's participation would promote a balance of points of view represented and functions to be performed by the Advisory Committee.

Dr. Geer is on the board of advisors to several commercial web-based firms. He represents the technical capability of the system architecture employed by commercial web-based enterprises. He argues that this issue revolves around risk management, that accountability done well ultimately requires less permission control. As one of the founding scientists of network security measures, and CTO of a network security firm, he understands both the issues and the technologies relevant to implementing fair information practices. He is uniquely positioned to advise the Committee members on technical issues: what measures are possible and feasible.

Criterion 2: The individual has expertise in or knowledge of the issues that are the focus of the Advisory Committee's work.

For over a decade, Dr. Geer has published and lectured on the issues involved in computer and network security (see summary of publications below – full CV follows). He has organized and led testimony before Congress by a panel of experts on public policy in an age of electronic commerce, and the role of Congress in computer security (House Science Committee, Subcommittee on Technology, November 1996 and February 1997). He holds a BS in Electrical Engineering and Computer Science from MIT, and an SC.D. from Harvard University in biostatistics. His broad base of experience and technical understanding allow him to see the nexus between technological capability and privacy concerns.

Summary of Publications

Geer DE : *Open Network Authentication and Authorization*, on-site tutorial, National Security Agency, Fort Meade, Maryland, June, 1989.

Geer DE & Rochlis JA : *The Kerberos Approach to Network Security*, Tutorial, SANS, Orlando, Florida, October 28, 1998.

Geer DE : *The Risk Equation in Electronic Commerce*, Inaugural Conference on Electronic Government, Tallahassee, Fla., January 26, 1999.

Geer DE : *Privacy in the Real World*, Smart Card Forum, Washington, D.C., May 20, 1999.

Geer DE : *Security as Enabler for Electronic Commerce*, Guest Lecture, Boston College, School of Law, Boston, Massachusetts, November 1, 1999.

Geer DE & Rochlis JA : *Modern Security Protocols, Tutorial*, LISA-13, USENIX Association/SAGE combined, Seattle, Washington, November 7, 1999.

Geer DE : *Privacy: It's not the Odds, It's the Stakes*, Consumer Federation of America, Washington, D.C., December 3, 1999.

Criterion 3: The individual adequately reflects the views of the relevant affected interest(s).

Dr. Geer has been an officer or member of the board of USENIX Association since 1985, and was the USENIX Vice President from 1996 to 1998. Because of his prolific speaking and publishing on internet security issues, he has been nominated by the membership of USENIX to become its president (to be made public January 17). He has addressed privacy and security issues before various business and scientific associations, and is a member of several professional associations concerned with internet security. Please see his CV for more information.

Biographical Summary

Daniel E. Geer, Jr., Sc.D., Chief Technologist

Dan Geer is Chief Technologist of SystemExperts Corporation. Prior to joining SystemExperts, Dan was Vice President and Senior Strategist of CertCo, LLC, one of the market leaders in digital certification for electronic commerce. Dan was previously Director of Engineering at Open Market and has been a successful entrepreneur in network security and systems management. His company, Geer-Zolot Associates, which provided security consulting services to the financial industry, was acquired by OpenVision Technologies (now Veritas) in 1993. At OpenVision, Dan played many roles including Chief Scientist, VP of Technology, and Managing Director of OpenVision's security consulting business. Prior to Geer Zolot Associates, Dan was Technical Director, Innovation Technology Resource Center for Digital Equipment Corporation, and was for a number of years the Manager of Systems Development for MIT's Project Athena. At Athena he was responsible for all technical development, including X, Kerberos, and all other aspect

A frequent speaker, popular teacher and member of several professional societies, Dan is active in USENIX where he has served as a member of the Board of Directors since 1994. He was the Conference Chair for the First Symposium on Mobile and Location Independent Computing and the First USENIX Workshop on Electronic Commerce. Dan arranged the Public Key Infrastructure track of the Third USENIX Workshop on Electronic Commerce, held in Boston in August of 1998 and he co-chaired the 1999 workshops on Embedded Systems and on Intrusion Detection.

Dan holds a Bachelor of Science degree in Electrical Engineering and Computer Science from MIT and a SC.D. in biostatistics from Harvard University. He is the author of The Web Security Sourcebook (Wiley & Sons 1997) and he wrote the security chapter in Leebaert's The Future of the Electronic Marketplace (MIT Press 1998).