Distinguished Practitioner  Bob Blakley, Tivoli Systems, Inc.

Bob Blakley is Chief Scientist for Security at Tivoli Systems Inc., an IBM company. Dr. Blakley was chief scientist for DASCOM, Inc. at the time of its acquisition by IBM and integration into Tivoli. Before joining DASCOM, Dr. Blakley was lead security architect for IBM where he was employed for nine years. During that time he was responsible for security architecture and design for OS/2, the IBM OS/2 LAN server, IBM's OS/2 and AIX DCE offerings, the LAN distance remote LAN access product, and IBM's ORB technologies, including Distributed SOM and Component Broker.

In addition to his product design responsibilities, Dr. Blakley led the IBM Security Architecture Board and was the IBM representative to the Open Group Security Program Group. He also served for two years as the chair of the OSF DME/DCE security-working group. He is the author of "CORBA Security: An Introduction to Safe Computing with Objects", published by Addison-Wesley. Dr. Blakley was also the editor of the Open Group PKI working group's "Architecture for Public Key Infrastructure" guideline and the Open Group’s Authorization API specification. He is currently the general editor of the OASIS Security Services Technical Committee’s SAML specification effort. Dr. Blakley has been involved in cryptography and data security design work since 1979 and has authored or co-authored seven papers on cryptography, secret-sharing schemes, access control, and other aspects of computer security. He holds nine patents on security-related technologies.


Dr. Blakley received an A.B. in classics from Princeton University, and a master’s degree and Ph.D. in computer and communications sciences from the University of Michigan.
Invited Essayist Plenary Dr. Roger R. Schell, Aesec

Dr. Roger R. Schell is President and COO of Aesec, a new company focused on appliances built on hardened platforms for secure, reliable e-business on the Internet. For several years he managed the successfully development and delivery of security for several Novell releases of network software products including an integral PKI, an international crypto API and an authentication service with exposed SSL capability. Dr. Schell was co-founder and Vice President for Engineering of Gemini Computers, Inc., where he directed development of their highly secure (Class A1) network processor commercial product. He was also the founding Deputy Director of the DoD (now National) Computer Security Center. Previously he was an Associate Professor of Computer Science at the Naval Postgraduate School.

Dr. Schell received a Ph.D. in Computer Science from the MIT, an M.S.E.E. from Washington State, and a B.S.E.E. from Montana State. He originated several key modern security design and evaluation techniques and holds patents in cryptography and authentication. He is widely regarded as the “father” of the Trusted Computer System Evaluation Criteria (the “Orange Book”). The NIST and NSA have recognized Dr. Schell with the National Computer System Security Award, the nation’s highest honor in the information security field.