# The Hidden Meta-Requirements of Security and Privacy

Prof. Gene Spafford
CERIAS/Purdue University
USA
spaf@cerias.purdue.edu

## Abstract

When collecting requirements for software, designers may learn of needs for specific forms of protection to be present. These needs may be translated into requirements for encryption or authentication. But what about the non-obvious aspects of security – including privacy, auditability, and assurance – that are usually overlooked in the requirements capture process? When we overlook these issues, we get software that doesn't deserve our trust. In this talk, I'll discuss some of the aspects of security that are regularly overlooked by designers, and suggest some standard questions that should be addressed in *every* design.

## About the Speaker

*Eugene H. Spafford is a professor of Computer Sciences at Purdue University, a professor of Philosophy, and is Director of the Center for Education Research Information Assurance and Security. CERIAS is a campus-wide multi-disciplinary Center, with a broadly-focused mission to explore issues related to protecting information and information resources. Spaf has written extensively about information security, software engineering, and professional ethics. He has published over 100 articles and reports on his research, has written or contributed to over a dozen books, and he serves on the editorial boards of most major infosec-related journals.*

*Dr. Spafford is a Fellow of the ACM, Fellow of the AAAS, Fellow of the IEEE, and is a charter recipient of the Computer Society's Golden Core award. In 2000, he was named as a CISSP, honoris causa. Among his many activities, he is chair of the ACM's U.S. Public Policy Committee, is a member of the Board of Directors of the Computing Research Association, and is a member of the US Air Force Scientific Advisory Board. He was the year 2000 recipient of the NIST/NCSC National Computer Systems Security Award, generally regarded as the field's most significant honor in information security research, and was named as one of the "Five Most Influential Leaders in Information Security" by the readers and editors of Information Security in 1999. In 2001, he was named as one of the recipients of the "Charles B. Murphy" awards, Purdue University's highest award for outstanding undergraduate teaching.*

*In his spare time, Spaf wonders why he has no spare time.*