Fred B. Schneider

University Activities

- CS Department: New Building Committee.
- CS Department: Recruiting Committee.

Professional Activities

- Director: AFRL/Cornell Information Assurance Institute.
- Chief Scientist, NSF TRUST Science and Technology Center.
- Editorial: *Distributed Computing*, *IEEE Security and Privacy* (Associate Editor-in-Chief), *IEEE Transactions on Dependable and Secure Computing*, Springer-Verlag Texts and Monographs in Computer Science (co-managing editor).
- Industrial Advisory: Fast Search and Transfer; Fortify Software; Lockheed Martin Corp; Microsoft Trustworthy Computing Academic Advisory Board (co-chair).

Other Advisory Committees:

- National Research Council, Computer Science and Telecommunications Board;
- National Research Council, Committee on Improving Cybersecurity Research;
- PCAST Technical Advisory Group on Networking and Information Technology;
- Department of Commerce, Information Security and Privacy Advisory Board;
- Board of Directors, Computing Research Association;
- Computing Community Consortium Council.

Publications

- Language-Based Security for Malicious Mobile Code. *Department of Defense Sponsored Information Security Research: New Methods for Protecting Against Cyber Threats*. Wiley Publishing Company, Indianapolis, Indiana, 2007, 477–494. With Dexter Kozen, Greg Morrisett, and Andrew C. Myers.
- Credentials-Based Authorization: Evaluation and Implementation. Abstract of Plenary Lecture. *Proceedings 34th International Colloquium, ICALP 2007* (Wroclaw, Poland, July 2007), Lars Arge, Christian Cachin, Tomasz Jurdzinski, and Andrzej Tarlecki (eds.). Lecture Notes in Computer Science, Volume 4596, Springer-Verlag, Heidelberg, 2007, 12–14.
- Mapping the Security Landscape: A Role for Language Techniques. Abstract of Invited Lecture. *Proceedings 18th International Conference, CONCUR 2007* (Lisbon, Portugal, September 2007), Luis Caires and Vasco T. Vasconcelos (eds.). Lecture Notes in Computer Science, Volume 4703, Springer-Verlag, Heidelberg, 2007, 1.
- Technology Scapegoats and Policy Saviors. Editorial. *IEEE Security and Privacy 5*, 5 (September/October 2007), 3–4.
- The building blocks of consensus. *Proceedings 9th International Conference on Distributed Computing and Networking ICDCN 08*, (Kolkata, India, Jan. 2008), Lecture Notes in Computer Science, Volume 4904 (S. Rao et al, eds.), Springer-Verlag, Heidelberg, 2008, 54–72. With Yee Jiun Song, Robert van Renesse, and Danny Dolev.
- Hyperproperties. *21st IEEE Computer Security Foundations Symposium* (Pittsburgh, PA, June 2008), 5165. With Michael Clarkson.

Lectures

- Credentials-based authorization: Evaluation and implementation. Keynote lecture. ICALP 2007: 34th International Colloquium on Automata, Languages and Programming. Wroclaw, Poland. July 2007.
- Credentials-based authorization: Evaluation and implementation. Microsoft Corporation, Redmond, Washington. July 2007.
- Mapping the security landscape: A role for language techniques. Invited lecture. 18th International Conference on Concurrency Theory (CONCUR 2007), Lisbon, Portugal. Sept. 2007.
- Nexus project: Overview. NICAR Principal Investigators Meeting, Boston, Mass. Sept. 2007.
- Making state-machine replication secure. A 30-year perspective on Replication. Invited lecture. Monte Verita, Ascona, Switzerland. November 2007.
- What price insularity? Dialogs about computer security failings. University Computer Policy and Law Program, Cornell University, Ithaca New York. November 2007.
- What price insularity? Dialogs about computer security failings. EDUCAUSE Live! Webinar. January 2008.
- Nexus: Status and plans. NICECAP Review, Annapolis Junction, MD. February 11, 2008.
- Building trustworthy distributed services. Wayne State University, Troy, Michigan. March 25, 2008.
- Revised vision and research agenda. TRUST Site Review, Berkeley, CA. April 2008.
- Nexus project: Current status. NICAR Principal Investigators Meeting, Lisle, Illinois. April, 2008.
- Independence: Getting and keeping it. DARPA IPTO Visiting Lecture Series, Arlington VA. June 2008.
- Proactive obfuscation in action. AFOSR PI Meeting, Arlington VA. June 2008.