



---

# System Strategies References

Robert J. Ellison

Carol Woody

May 2007

ABSTRACT: System Strategies bibliography.

## REFERENCES

- [Berg 06] Berg, Clifford J. High Assurance Design: Architecting Secure and Reliable Enterprise Applications. Upper Saddle River, NJ: Addison-Wesley, 2006.
- [Boehm 04] Boehm, Barry & Turner, Richard. Balancing Agility and Discipline: A Guide for the Perplexed. Boston, MA: Addison-Wesley Professional, 2003 (ISBN 0-321-18612-5).
- [Boehm 06] Boehm, Barry. "Some Future Trends and Implications for Systems and Software Engineering Processes." Systems Engineering 9, 1 (Spring 2006): 1-19.
- [Booch 05] Booch, Grady. Architecture Web Log (2005).
- [Booch 06] Booch, Grady. The Architecture Handbook. (Registration required.)
- [DoD 99a] U.S. Department of Defense. DoD Information Technology Security Certification and Accreditation Process (DITSCAP). DoD Instruction 5200.40, November 30, 1999.
- [Kantor 05] Kantor, A. "Kutztown Kids Aren't the Good Guys." USA Today, August 18, 2005.
- [Leveson 05] Leveson, Nancy G. "A Systems-Theoretic Approach to Safety in Software-Intensive Systems." IEEE Transactions on Dependable and Secure Computing 1, 1 (January-March 2004): 66-86.
- [Lindsay 04] Lindsay, Bruce. "Engineering for Failure." ACM Queue 2, 8 (November 2004).
- [Maier 06] Maier, Mark W. "System and Software Architecture Reconciliation." Systems Engineering 9, 2 (Summer 2006): 146-158.
- [Maier 98] Maier, Mark W. "Architecting Principles for Systems-of-Systems." Systems Engineering 1, 4 (Winter 1998): 267-284.
- [McGraw 06] McGraw, Gary. Software Security: Building Security In. Upper Saddle River, NJ: Addison-Wesley Professional, 2006 (ISBN 0-321-35670-5).

---

Software Engineering Institute  
Carnegie Mellon University  
4500 Fifth Avenue  
Pittsburgh, PA 15213-2612

Phone: 412-268-5800  
Toll-free: 1-888-201-4479

[www.sei.cmu.edu](http://www.sei.cmu.edu)

---

- [McIlroy 68] McIlroy, M. D. "Mass Produced Software Components," 138-151. *Software Engineering: Report on a Conference Sponsored by the NATO Science Committee*. Garmisch, Germany, Oct. 7-11, 1968. Brussels, Belgium: Scientific Affairs Division, NATO, 1968.
- [Neumann 00] Neumann, Peter G. "Practical Architectures for Survivable Systems and Networks." Menlo Park, CA: Computer Science Laboratory, SRI International, June 2000.
- [Neumann 04] Neumann, Peter G. *Principled Assuredly Trustworthy Composable Architectures (Final Report to DARPA, CDRL A001)*. Menlo Park, CA: Computer Science Laboratory, SRI International, December, 28, 2004.
- [Neumann 06] Neumann, Peter G. "Risks Relating to System Compositions." *Communications of the ACM* 49, 7 (July 2006): 120.
- [Perrow 99] Perrow, Charles. *Normal Accidents: Living with High Risk Technologies*. Princeton, NJ: Princeton University Press, 1999 (ISBN 0-691-00412-9).
- [Rechtin 91] Rechtin, E. *System Architecting: Creating and Building Complex Systems*. Englewood Cliffs, NJ: Prentice Hall, 1991.
- [Rushby 02] Rushby, John. *Modular Certification (CSL Report)*. Menlo Park, CA: SRI International, 2002.
- [Rushby 83] Rushby, J. M. & Randell, B. "A Distributed Secure System," 127-135. *Proceedings of the IEEE Symposium on Security and Privacy*. Oakland, CA, April 25-27, 1983. Maryland: IEEE Computer Society Press, 1983.
- [Russell 05] Russell, J. & Theodore, E. "Drug Records, Confidential Data Vulnerable." *The Harvard Crimson*, January 21, 2005.
- [Saltzer 75] Saltzer, Jerome H. & Schroeder, Michael D. "The Protection of Information in Computer Systems." *Proceedings of the IEEE* 63, 9 (September 1975): 1278-1308.
- [Schneider 99] Schneider, Fred B., ed. *Trust in Cyberspace*. Washington, DC: National Academy Press, 1999.
- [SEI 06] Software Engineering Institute. *Ultra-Large-Scale Systems: The Software Challenge of the Future (2006)*.
- [Smith 05] Smith, S. "Pretending That Systems are Secure." *IEEE Security & Privacy* 3, 6 (November/December 2005): 73-76.
- [US-Canada 04] U.S.-Canada Power System Outage Task Force. *Final Report on the August 14, 2003 Blackout in the United States and Canada: Causes and Recommendations*. April 2004.

Copyright 2005-2012 Carnegie Mellon University

This material is based upon work funded and supported by Department of Homeland Security under Contract No. FA8721-05-C-0003 with Carnegie Mellon University for the operation of the Software Engineering Institute, a federally funded research and development center sponsored by the United States Department of Defense.

Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of Department of Homeland Security or the United States Department of Defense.

NO WARRANTY. THIS CARNEGIE MELLON UNIVERSITY AND SOFTWARE ENGINEERING INSTITUTE MATERIAL IS FURNISHED ON AN “AS-IS” BASIS. CARNEGIE MELLON UNIVERSITY MAKES NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, AS TO ANY MATTER INCLUDING, BUT NOT LIMITED TO, WARRANTY OF FITNESS FOR PURPOSE OR MERCHANTABILITY, EXCLUSIVITY, OR RESULTS OBTAINED FROM USE OF THE MATERIAL. CARNEGIE MELLON UNIVERSITY DOES NOT MAKE ANY WARRANTY OF ANY KIND WITH RESPECT TO FREEDOM FROM PATENT, TRADEMARK, OR COPYRIGHT INFRINGEMENT.

This material has been approved for public release and unlimited distribution except as restricted below.

Internal use:\* Permission to reproduce this material and to prepare derivative works from this material for internal use is granted, provided the copyright and “No Warranty” statements are included with all reproductions and derivative works.

External use:\* This material may be reproduced in its entirety, without modification, and freely distributed in written or electronic form without requesting formal permission. Permission is required for any other external and/or commercial use. Requests for permission should be directed to the Software Engineering Institute at [permission@sei.cmu.edu](mailto:permission@sei.cmu.edu).

\* These restrictions do not apply to U.S. government entities.

DM-0001120