# REFERÊNCIAS


[Abb83] Abbott, R., "Program Design by Informal English Descriptions," *CACM*, vol. 26, no. 11, November 1983, pp. 892–894.

[ACM98] ACM/IEEE-CS Joint Task Force, *Software Engineering Code of Ethics and Professional Practice*, 1998, available at www.acm.org/serving/se/code.htm.

[Ada93] Adams, D., *Mostly Harmless*, Macmillan, 1993.

[AFC88] *Software Risk Abatement*, AFCS/AFLC Pamphlet 800-45, U.S. Air Force, September 30, 1988.

[Agi03] The Agile Alliance Home Page, www.agilealliance.org/home.

[Air99] Airlie Council, "Performance Based Management: The Program Manager's Guide Based on the 16-Point Plan and Related Metrics," Draft Report, March 8, 1999.

[Aka04] Akao, Y., *Quality Function Deployment*, Productivity Press, 2004.

[Ale77] Alexander, C., *A Pattern Language*, Oxford University Press, 1977.

[Ale79] Alexander, C., *The Timeless Way of Building*, Oxford University Press, 1979.

[Amb95] Ambler, S., "Using Use-Cases," *Software Development*, July 1995, pp. 53–61.

[Amb98] Ambler, S., *Process Patterns: Building Large-Scale Systems Using Object Technology*, Cambridge University Press/SIGS Books, 1998.

[Amb01] Ambler, S., *The Object Primer*, 2d ed., Cambridge University Press, 2001.

[Amb02a] Ambler, S., "What Is Agile Modeling (AM)?" 2002, www.agilemodeling.com/ index.htm.

[Amb02b] Ambler, S., and R. Jeffries, *Agile Modeling*, Wiley, 2002.

[Amb02c] Ambler, S., "UML Component Diagramming Guidelines," available at www.modelingstyle.info/, 2002.

[Amb04] Ambler, S., "*Examining the Cost of Change Curve*," in *The Object Primer*, 3d ed., Cambridge University Press, 2004.

[Amb06] Ambler, S., "The Agile Unified Process (AUP), 2006, available at www.ambysoft.com/ unifiedprocess/agileUP.html.

[And06] Andrews, M., and J. Whittaker, *How to Break Web Software: Functional and Security Testing of Web Applications and Web Services*, Addison-Wesley, 2006.

[ANS87] ANSI/ASQC A3-1987, *Quality Systems Terminology*, 1987.

[Ant06] Anton, D., and C. Anton, *ISO 9001 Survival Guide*, 3d ed., AEM Consulting Group, 2006.

[AOS07] AOSD.net (Aspect-Oriented Software Development), glossary, available at http://aosd.net/wiki/index.php?title=Glossary.

[App00] Appleton, B., "Patterns and Software: Essential Concepts and Terminology," February 2000, available at www.cmcrossroads.com/bradapp/docs/patterns-intro.html.

[App08] Apple Computer, *Accessibility*, 2008, available at www.apple.com/disability/.

[Arl02] Arlow, J., and I. Neustadt, *UML and the Unified Process*, Addison-Wesley, 2002.

[Arn89] Arnold, R. S., "Software Restructuring," *Proc. IEEE*, vol. 77, no. 4, April 1989, pp. 607–617.

[Art97] Arthur, L. J., "Quantum Improvements in Software System Quality," *CACM*, vol. 40, no. 6, June 1997, pp. 47–52.

[Ast04] Astels, D., *Test Driven Development: A Practical Guide*, Prentice Hall, 2004.

[Ave04] Aversan, L., et al., "Managing Coordination and Cooperation in Distributed Software

Processes: The GENESIS Environment," *Software Process Improvement and Practice*, vol. 9, Wiley Interscience, 2004, pp. 239–263.

[Baa07] de Baar, B., "Project Risk Checklist," 2007, available at www.softwareprojects.org/project_riskmanagement_starting62.htm.

[Bab86] Babich, W. A., *Software Configuration Management*, Addison-Wesley, 1986.

[Bac97] Bach, J., "'Good Enough Quality: Beyond the Buzzword," *IEEE Computer*, vol. 30, no. 8, August 1997, pp. 96–98.

[Bac98] Bach, J., "The Highs and Lows of Change Control," *Computer*, vol. 31, no. 8, August 1998, pp. 113–115.

[Bae98] Baetjer, Jr., H., *Software as Capital*, IEEE Computer Society Press, 1998, p. 85.

[Bak72] Baker, F. T., "Chief Programmer Team Management of Production Programming," *IBM Systems Journal.*, vol. 11, no. 1, 1972, pp. 56–73.

[Ban06] Baniassad, E., et al., "Discovering Early Aspects," *IEEE Software*, vol. 23, no. 1, January–February, 2006, pp. 61–69.

[Bar06] Baresi, L., E. DiNitto, and C. Ghezzi, "Toward Open-World Software: Issues and Challenges," *IEEE Computer*, vol. 39, no. 10, October 2006, pp. 36–43.

[Bas84] Basili, V. R., and D. M. Weiss, "A Methodology for Collecting Valid Software Engineering Data," *IEEE Trans. Software Engineering*, vol. SE-10, 1984, pp. 728–738.

[Bas03] Bass, L., P. Clements, and R. Kazman, *Software Architecture in Practice*, 2d ed., Addison-Wesley, 2003.

[Bec00] Beck, K., *Extreme Programming Explained: Embrace Change*, Addison-Wesley, 1999.

[Bec01a] Beck, K., et al., "Manifesto for Agile Software Development," www.agilemanifesto.org/.

[Bec04a] Beck, K., *Extreme Programming Explained: Embrace Change*, 2d ed., Addison-Wesley, 2004.

[Bec04b] Beck, K., *Test-Driven Development: By Example*, 2d ed., Addison-Wesley, 2002.

[Bee99] Beedle, M., et al., "SCRUM: An Extension Pattern Language for Hyperproductive Software Development," included in: *Pattern Languages of Program Design 4*, Addison-Wesley Longman, Reading MA, 1999, downloadable from http://jeffsutherland.com/scrum/ scrum_plop.pdf.

[Bei84] Beizer, B., *Software System Testing and Quality Assurance*, Van Nostrand-Reinhold, 1984.

[Bei90] Beizer, B., *Software Testing Techniques*, 2d ed., Van Nostrand-Reinhold, 1990.

[Bei95] Beizer, B., *Black-Box Testing*, Wiley, 1995.

[Bel81] Belady, L., Foreword to *Software Design: Methods and Techniques* (L. J. Peters, author), Yourdon Press, 1981.

[Bel95] Bellinzona R., M. G. Gugini, and B. Pernici, "Reusing Specifications in OO Applications," *IEEE Software*, March 1995, pp. 65–75.

[Ben99] Bentley, J., *Programming Pearls*, 2d ed., Addison-Wesley, 1999.

[Ben00] Bennatan, E. M., *Software Project Management: A Practitioner's Approach*, 3d ed., McGraw-Hill, 2000.

[Ben02] Bennett, S., S. McRobb, and R. Farmer, *Object-Oriented Analysis and Design*, 2d ed., McGraw-Hill, 2002.

[Ber80] Bersoff, E. H., V. D. Henderson, and S. G. Siegel, *Software Configuration Management*, Prentice Hall, 1980.

[Ber93] Berard, E., *Essays on Object-Oriented Software Engineering*, vol. 1, Addison-Wesley, 1993.

[Bes04] Bessin, J., "The Business Value of Quality," IBM developerWorks, June 15, 2004, available at www-128.ibm.com/developerworks/rational/library/4995.html.

[Bha06] Bhat, J., M. Gupta, and S. Murthy, "Lessons from Offshore Outsourcing," *IEEE Software*, vol. 23, no. 5, September–October 2006.

[Bie94] Bieman, J. M., and L. M. Ott, "Measuring Functional Cohesion," *IEEE Trans. Software Engineering*, vol. SE-20, no. 8, August 1994, pp. 308–320.

[Bin93] Binder, R., "Design for Reuse Is for Real," *American Programmer*, vol. 6, no. 8, August 1993, pp. 30–37.

[Bin94a] Binder, R., "Testing Object-Oriented Systems: A Status Report," *American Programmer*, vol. 7, no. 4, April 1994, pp. 23–28.

[Bin94b] Binder, R. V., "Object-Oriented Software Testing," *Communications of the ACM*, vol. 37, no. 9, September 1994, p. 29.

[Bin99] Binder, R., *Testing Object-Oriented Systems: Models, Patterns, and Tools*, Addison-Wesley, 1999.

[Bir98] Biró, M., and T. Remzsö, "Business Motivations for Software Process Improvement," ERCIM News No. 32, January 1998, available at www.ercim.org/publication/Ercim_News/ enw32/ biro.html.

[Boe81] Boehm, B., *Software Engineering Economics*, Prentice Hall, 1981.

[Boe88] Boehm, B., "A Spiral Model for Software Development and Enhancement," *Computer*, vol. 21, no. 5, May 1988, pp. 61–72.

[Boe89] Boehm, B. W., *Software Risk Management*, IEEE Computer Society Press, 1989.

[Boe96] Boehm, B., "Anchoring the Software Process," *IEEE Software*, vol. 13, no. 4, July 1996, pp. 73–82.

[Boe98] Boehm, B., "Using the WINWIN Spiral Model: A Case Study," *Computer*, vol. 31, no. 7, July 1998, pp. 33–44.

[Boe00] Boehm, B., et al., *Software Cost Estimation in COCOMO II*, Prentice Hall, 2000.

[Boe01a] Boehm, B., "The Spiral Model as a Tool for Evolutionary Software Acquisition," *CrossTalk*, May 2001, available at www.stsc.hill.af.mil/crosstalk/2001/05/boehm.html.

[Boe01b] Boehm, B., and V. Basili, "Software Defect Reduction Top 10 List," *IEEE Computer*, vol. 34, no. 1, January 2001, pp. 135–137.

[Boe08] Boehm, B., "Making a Difference in the Software Century," *IEEE Computer*, vol. 41, no. 3, March 2008, pp. 32–38.

[Boh66] Bohm, C., and G. Jacopini, "Flow Diagrams, Turing Machines and Languages with Only Two Formation Rules," *CACM*, vol. 9, no. 5, May 1966, pp. 366–371.

[Boh00] Bohl, M., and M. Rynn, *Tools for Structured Design: An Introduction to Programming Logic*, 5th ed., Prentice Hall, 2000.

[Boi04] Boiko, B., *Content Management Bible*, 2d ed., Wiley, 2004.

[Bol02] Boldyreff, C., et al., "Environments to Support Collaborative Software Engineering," 2002, downloadable from www.cs.put.poznan.pl/dweiss/site/publications/download/ csmre paper.pdf.

[Boo94] Booch, G., *Object-Oriented Analysis and Design*, 2d ed., Benjamin Cummings, 1994.

[Boo05] Booch, G., J. Rumbaugh, and I. Jacobsen, *The Unified Modeling Language User Guide*. 2d ed., Addison-Wesley, 2005.

[Boo06] Bootstrap-institute.com, 2006, www.cse.dcu.ie/espinode/directory/directory.html.

[Boo08] Booch, G., *Handbook of Software Architecture*, 2008, available at www.booch.com/ architecture/systems.jsp.

[Bor01] Borchers, J., *A Pattern Approach to Interaction Design*, Wiley, 2001.

[Bos00] Bosch, J., *Design & Use of Software Architectures*, Addison-Wesley, 2000.

[Bra85] Bradley, J. H., "The Science and Art of Debugging," *Computerworld*, August 19, 1985, pp. 35–38.

[Bra94] Bradac, M., D. Perry, and L. Votta, "Prototyping a Process Monitoring Experiment," *IEEE Trans. Software Engineering*, vol. 20, no. 10, October 1994, pp. 774–784.

[Bre02] Breen, P., "Exposing the Fallacy of 'Good Enough' Software," informit.com, February 1, 2002, available at www.informit.com/articles/article.asp?p=25141&rl=1.

[Bro95] Brooks, F., *The Mythical Man-Month*, Silver Anniversary edition, Addison-Wesley, 1995.

[Bro96] Brown, A. W., and K. C. Wallnau, "Engineering of Component Based Systems," *Component-Based Software Engineering*, IEEE Computer Society Press, 1996, pp. 7–15.

[Bro01] Brown, B., *Oracle9i Web Development*, 2d ed., McGraw-Hill, 2001.

[Bro03] Brooks, F, "Three Great Challenges for Half-Century-Old Computer Science," *JACM*, vol. 50, no. 1, January 2003, pp. 25–26.

[Bro06] Broy, M., "The 'Grand Challenge' in Informatics: Engineering Software Intensive Systems," *IEEE Computer*, vol. 39, no. 10, October 2006, pp. 72–80.

[Buc99] Bucanac, C., "The V-Model," University of Karlskrona/Ronneby, January 1999, downloadable from www.bucanac.com/documents/The_V-Model.pdf.

[Bud96] Budd, T., *An Introduction to Object-Oriented Programming*, 2d ed., Addison-Wesley, 1996.

[Bus96] Buschmann, F., et al., *Pattern-Oriented Software Architecture*, Wiley, 1996.

[Bus07] Buschmann, F., et al., *Pattern-Oriented Software Architecture, A System of Patterns*, Wiley, 2007. [Cac02] Cachero, C., et al., "Conceptual Navigation Analysis: A Device and Platform Independent Navigation Specification," *Proc. 2nd Intl. Workshop on Web-Oriented Technology*, June 2002, downloadable from www.dsic.upv.es/~west/iwwost02/papers/cachero.pdf.

[Cai03] Caine, Frarber, and Gordon, Inc., *PDL/81*, 2003, available at www.cfg.com/pdl81/ lpd. html.

[Car90] Card, D. N., and R. L. Glass, *Measuring Software Design Quality*, Prentice Hall, 1990.

[Cas89] Cashman, M., "Object Oriented Domain Analysis," *ACM Software Engineering Notes*, vol. 14, no. 6, October 1989, p. 67.

[Cav78] Cavano, J. P., and J. A. McCall, "A Framework for the Measurement of Software Quality," *Proc. ACM Software Quality Assurance Workshop*, November 1978, pp. 133–139.

[CCS02] CS3 Consulting Services, 2002, www.cs3inc.com/DSDM.htm.

[Cec06] Cechich, A., et al., "Trends on COTS Component Identification," *Proc. Fifth Intl. Conf. on COTS-Based Software Systems*, IEEE, 2006.

[Cha89] Charette, R. N., *Software Engineering Risk Analysis and Management*, McGraw-Hill/ Intertext, 1989.

[Cha92] Charette, R. N., "Building Bridges over Intelligent Rivers," *American Programmer*, vol. 5, no. 7, September 1992, pp. 2–9.

[Cha93] de Champeaux, D., D. Lea, and P. Faure, *Object-Oriented System Development*, Addison-Wesley, 1993.

[Cha03] Chakravarti, A., "Online Software Design Pattern Links," 2003, available at www.anu priyo.com/oopfm.shtml.

[Che77] Chen, P., *The Entity-Relationship Approach to Logical Database Design*, QED Information Systems, 1977.

[Chi94] Chidamber, S. R., and C. F. Kemerer, "A Metrics Suite for Object-Oriented Design," *IEEE Trans. Software Engineering*, vol. SE-20, no. 6, June 1994, pp. 476–493.

[Cho89] Choi, S. C., and W. Scacchi, "Assuring the Correctness of a Configured Software Description," *Proc. 2nd Intl. Workshop on Software Configuration Management*, ACM, Princeton, NJ, October 1989, pp. 66–75.

[Chu95] Churcher, N. I., and M. J. Shepperd, "Towards a Conceptual Framework for Object-Oriented Metrics," *ACM Software Engineering Notes*, vol. 20, no. 2, April 1995, pp. 69–76.

[Cig07] Cigital, Inc., "Case Study: Finding Defects Earlier Yields Enormous Savings," 2007, available at www.cigital.com/solutions/roi-cs2.php.

[Cla05] Clark, S., and E. Baniasaad, *Aspect-Oriented Analysis and Design*, Addison-Wesley, 2005.

[Cle95] Clements, P., "From Subroutines to Subsystems: Component Based Software Development," *American Programmer*, vol. 8, no. 11, November 1995.

[Cle03] Clements, P., R. Kazman, and M. Klein, *Evaluating Software Architectures: Methods and Case Studies*, Addison-Wesley, 2003.

[Cle06] Clemmons, R., "Project Estimation with Use Case Points," *CrossTalk*, February 2006, p. 18–222, downloadable from www.stsc.hill.af.mil/crosstalk/2006/02/0602Clemmons.pdf.

[CMM07] *Capability Maturity Model Integration (CMMI)*, Software Engineering Institute, 2007, available at www.sei.cmu.edu/cmmi/.

[CMM08] *People Capability Maturity Model Integration (People CMM)*, Software Engineering Institute, 2008, available at www.sei.cmu.edu/cmm-p/.

[Coa91] Coad, P., and E. Yourdon, *Object-Oriented Analysis*, 2d ed., Prentice Hall, 1991.

[Coa99] Coad, P., E. Lefebvre, and J. DeLuca, *Java Modeling in Color with UML*, Prentice Hall, 1999.

[Coc01a] Cockburn, A., and J. Highsmith, "Agile Software Development: The People Factor," *IEEE Computer*, vol. 34, no. 11, November 2001, pp. 131–133.

[Coc01b] Cockburn, A., *Writing Effective Use-Cases*, Addison-Wesley, 2001.

[Coc02] Cockburn, A., *Agile Software Development*, Addison-Wesley, 2002.

[Coc04] Cockburn, A., "What the Agile Toolbox Contains," *CrossTalk*, November 2004, available at www.stsc.hill.af.mil/crosstalk/2004/11/0411Cockburn.html.

[Coc05] Cockburn, A., *Crystal Clear*, Addison-Wesley, 2005.

[Con96] Conradi, R., "Software Process Improvement: Why We Need SPIQ," NTNU, October 1996, downloadable from www.idi.ntnu.no/grupper/su/publ/pdf/nik96-spiq.pdf.

[Con02] Conradi, R., and A. Fuggetta, "Improving Software Process Improvement," *IEEE Software*, July–August 2002, pp. 2–9, downloadable from http://citeseer.ist.psu.edu/conradi02improving.html.

[Con93] Constantine, L., "Work Organization: Paradigms for Project Management and Organization, *CACM*, vol. 36, no. 10, October 1993, pp. 34–43.

[Con95] Constantine, L, "What DO Users Want? Engineering Usability in Software," *Windows Tech Journal*, December 1995, available from www.forUse.com.

[Con03] Constantine, L., and L. Lockwood, *Software for Use*, Addison-Wesley, 1999; see also www.foruse.com/.

[Cop05] Coplien, J., "Software Patterns," 2005, available at http://hillside.net/patterns/ definition.html.

[Cor98] Corfman, R., "An Overview of Patterns," in *The Patterns Handbook*, SIGS Books, 1998.

[Cou00] Coulouris, G., J. Dollimore, and T. Kindberg, *Distributed Systems: Concepts and Design*, 3d ed., Addison-Wesley, 2000.

[Cox86] Cox, Brad, *Object-Oriented Programming*, Addison-Wesley, 1986.

[Cri92] Christel, M. G., and K. C. Kang, "Issues in Requirements Elicitation," Software Engineering Institute, CMU/SEI-92-TR-12 7, September 1992.

[Cro79] Crosby, P., *Quality Is Free*, McGraw-Hill, 1979.

[Cro07] Cross, M., and M. Fisher, *Developer's Guide to Web Application Security*, Syngress Publishing, 2007.

[Cur86] Curritt, P. A., M. Dyer, and H. D. Mills, "Certifying the Reliability of Software," *IEEE Trans, Software Engineering*, vol. SE-12, no. 1, January 1994.

[Cur88] Curtis, B., et al., "A Field Study of the Software Design Process for Large Systems," *IEEE Trans. Software Engineering*, vol. SE-31, no. 11, November 1988, pp. 1268–1287.

[Cur01] Curtis, B., W. Hefley, and S. Miller, *People Capability Maturity Model*, Addison-Wesley, 2001.

[CVS07] Concurrent Versions System, Ximbiot, http://ximbiot.com/cvs/wiki/index.php?title=Main_Page, 2007.

[DAC03} "An Overview of Model-Based Testing for Software," Data and Analysis Center for Software, CR/TA 12, June 2003, downloadable from www.goldpractices.com/dwnload/ practice/pdf/Model_Based_Testing.pdf.

[Dah72] Dahl, O., E. Dijkstra, and C. Hoare, *Structured Programming*, Academic Press, 1972.

[Dar91] Dart, S., "Concepts in Configuration Management Systems," *Proc. Third International Workshop on Software Configuration Management*, ACM SIGSOFT, 1991, downloadable from www.sei.cmu.edu/legacy/scm/abstracts/abscm_concepts.html.

[Dar99] Dart, S., "Change Management: Containing the Web Crisis," *Proc. Software Configuration Management Symposium*, Toulouse, France, 1999, available at www.perforce.com/perforce/conf99/dart.html.

[Dar01] Dart, S., *Spectrum of Functionality in Configuration Management Systems*, Software Engineering Institute, 2001, available at www.sei.cmu.edu/legacy/scm/tech_rep/TR11_90/ TOC_TR11_90.html.

[Das05] Dasari, R., "Lean Software Development," a white paper, downloadable from www.projectperfect.com.au/downloads/Info/info_lean_development.pdf, 2005.

[Dav90] Davenport, T. H., and J. E. Young, "The New Industrial Engineering: Information Technology and Business Process Redesign," *Sloan Management Review*, Summer 1990, pp. 11–27.

[Dav93] Davis, A., et al., "Identifying and Measuring Quality in a Software Requirements Specification," *Proc. First Intl. Software Metrics Symposium*, IEEE, Baltimore, MD, May 1993, pp. 141–152.

[Dav95a] Davis, M., "Process and Product: Dichotomy or Duality," *Software Engineering Notes*, ACM Press, vol. 20, no. 2, April, 1995, pp. 17–18.

[Dav95b] Davis, A., *201 Principles of Software Development*, McGraw-Hill, 1995.

[Day99] Dayani-Fard, H., et al., "Legacy Software Systems: Issues, Progress, and Challenges," IBM Technical Report: TR-74.165-k, April 1999, available at www.cas.ibm.com/toronto/publications/TR-74.165/k/legacy.html.

[Dem86] Deming, W. E., *Out of the Crisis*, MIT Press, 1986.

[DeM79] DeMarco, T., *Structured Analysis and System Specification*, Prentice Hall, 1979.

[DeM95] DeMarco, T., *Why Does Software Cost So Much?* Dorset House, 1995.

[DeM95a] DeMarco, T., "Lean and Mean," *IEEE Software*, November 1995, pp. 101–102.

[DeM98] DeMarco, T., and T. Lister, *Peopleware*, 2d ed., Dorset House, 1998.

[DeM02] DeMarco, T., and B. Boehm, "The Agile Methods Fray," IEEE Computer, vol. 35, no. 6, June 2002, pp. 90–92.

[Den73] Dennis, J., "Modularity," in *Advanced Course on Software Engineering* (F. L. Bauer, ed.), Springer-Verlag, 1973, pp. 128–182.

[Dev01] Devedzik, V., "Software Patterns," in *Handbook of Software Engineering and Knowledge Engineering*, World Scientific Publishing Co., 2001.

[Dha95] Dhama, H., "Quantitative Metrics for Cohesion and Coupling in Software," *Journal of Systems and Software*, vol. 29, no. 4, April 1995.

[Dij65] Dijkstra, E., "Programming Considered as a Human Activity," in *Proc. 1965 IFIP Congress*, North-Holland Publishing Co., 1965.

[Dij72] Dijkstra, E., "The Humble Programmer," 1972 ACM Turing Award Lecture, *CACM*, vol. 15, no. 10, October 1972, pp. 859–866.

[Dij76a] Dijkstra, E., "Structured Programming," in *Software Engineering, Concepts and Techniques*, (J. Buxton et al., eds.), Van Nostrand-Reinhold, 1976.

[Dij76b] Dijkstra, E., *A Discipline of Programming*, Prentice Hall, 1976.

[Dij82] Dijksta, E., "On the Role of Scientific Thought," *Selected Writings on Computing: A Personal Perspective*, Springer-Verlag, 1982.

[Dix99] Dix, A., "Design of User Interfaces for the Web," *Proc. User Interfaces to Data Systems Conference*, September 1999, downloadable from www.comp.lancs.ac.uk/computing/ users/dixa/topics/webarch/.

[Dob04] Dobb, F., *ISO 9001:2000 Quality Registration Step-by-Step*, 3d ed., ButterworthHeinemann, 2004.

[Don99] Donahue, G., S. Weinschenck, and J. Nowicki, "Usability Is Good Business," Compuware Corp., July 1999, available from www.compuware.com.

[Dre99] Dreilinger, S., "CVS Version Control for Web Site Projects," 1999, available at www.durak.org/cvswebsites/howto-cvs/howto-cvs.html.

[Dru75] Drucker, P., *Management*, W. H. Heinemann, 1975.

[Duc01] Ducatel, K., et al., *Scenarios for Ambient Intelligence in 2010*, ISTAG-European Commission, 2001, downloadable from ftp://ftp.cordis.europa.eu/pub/ist/docs/ istagscenarios2010.pdf.

[Dun82] Dunn, R., and R. Ullman, *Quality Assurance for Computer Software*, McGraw-Hill, 1982.

[Dun01] Dunaway, D., and S. Masters, *CMM-Based Appraisal for Internal Process Improvement (CBA IPI Version 1,2 Method Description)*, Software Engineering Institute, 2001, downloadable from www.sei.cmu.edu/publications/documents/01.reports/01tr033.html.

[Dun02] Dunn, W., *Practical Design of Safety-Critical Computer Systems*, William Dunn, 2002.

[Duy02] VanDuyne, D., J. Landay, and J. Hong, *The Design of Sites*, Addison-Wesley, 2002.

[Dye92] Dyer, M., *The Cleanroom Approach to Quality Software Development*, Wiley, 1992.

[Edg95] Edgemon, J., "Right Stuff: How to Recognize It When Selecting a Project Manager," *Application Development Trends*, vol. 2, no. 5, May 1995, pp. 37–42.

[Eji91] Ejiogu, L., *Software Engineering with Formal Metrics*, QED Publishing, 1991.

[Elr01] Elrad, T., R. Filman, and A. Bader (eds.), "Aspect Oriented Programming," *Comm. ACM*, vol. 44, no. 10, October 2001, special issue.

[Eri05] Ericson, C., *Hazard Analysis Techniques for System Safety*, Wiley-Interscience, 2005.

[Eri08] Erickson, T., *The Interaction Design Patterns Page*, May 2008, available at www.visi.com/~snowfall/InteractionPatterns.html.

[Eva04] Evans, E., *Domain Driven Design*, Addison-Wesley, 2003.

[Fag86] Fagan, M., "Advances in Software Inspections," *IEEE Trans. Software Engineering*, vol. 12, no. 6, July 1986.

[Fel89] Felican, L., and G. Zalateu, "Validating Halstead's Theory for Pascal Programs," *IEEE Trans. Software Engineering*, vol. SE-15, no. 2, December 1989, pp. 1630–1632.

[Fel07] Feller, J., et al. (eds.), *Perspectives on Free and Open Source Software*, The MIT Press, 2007.

[Fen91] Fenton, N., *Software Metrics*, Chapman and Hall, 1991.

[Fen94] Fenton, N., "Software Measurement: A Necessary Scientific Basis," *IEEE Trans. Software Engineering*, vol. SE-20, no. 3, March 1994, pp. 199–206.

[Fer97] Ferguson, P., et al., "Results of Applying the Personal Software Process," *IEEE Computer*, vol. 30, no. 5, May 1997, pp. 24–31.

[Fer98] Ferdinandi, P. L., "Facilitating Communication," *IEEE Software*, September 1998, pp. 92–96.

[Fer00] Fernandez, E. B., and X. Yuan, "Semantic Analysis Patterns," *Proceedings of the 19th Int. Conf. on Conceptual Modeling, ER2000*, Lecture Notes in Computer Science 1920, Springer, 2000, pp. 183–195. Also available from www.cse.fau.edu/~ed/SAPpaper2.pdf.

[Fir93] Firesmith, D. G., *Object-Oriented Requirements Analysis and Logical Design*, Wiley, 1993.

[Fis06] Fisher, R., and D. Shapiro, *Beyond Reason: Using Emotions as You Negotiate*, Penguin, 2006.

[Fit54] Fitts, P., "The Information Capacity of the Human Motor System in Controlling the Amplitude of Movement," *Journal of Experimental Psychology*, vol. 47, 1954, pp. 381–391.

[Fle98] Fleming, Q. W., and J. M. Koppelman, "Earned Value Project Management," *CrossTalk*, vol. 11, no. 7, July 1998, p. 19.

[Fos06] Foster, E., "Quality Culprits," InfoWorld Grip Line Weblog, May 2, 2006, available at http://weblog.infoworld.com/gripeline/2006/05/02_a395.html.

[Fow97] Fowler, M., *Analysis Patterns: Reusable Object Models*, Addison-Wesley, 1997.

[Fow00] Fowler, M., et al., *Refactoring: Improving the Design of Existing Code*, Addison-Wesley, 2000.

[Fow01] Fowler, M., and J. Highsmith, "The Agile Manifesto," *Software Development Magazine*, August 2001, www.sdmagazine.com/documents/s=844/sdm0108a/0108a.htm.

[Fow02] Fowler. M., "The New Methodology," June 2002, www.martinfowler.com/articles/newMethodology.html#N8B.

[Fow03] Fowler, M., et al., *Patterns of Enterprise Application Architecture*, Addison-Wesley, 2003.

[Fow04] Fowler, M., *UML Distilled*, 3d ed., Addison-Wesley, 2004.

[Fra93] Frankl, P. G., and S. Weiss, "An Experimental Comparison of the Effectiveness of Branch Testing and Data Flow," *IEEE Trans. Software Engineering*, vol. SE-19, no. 8, August 1993, pp. 770–787.

[Fra03] Francois, A., "Software Architecture for Immersipresence," IMSC Technical Report IMSC-03-001, University of Southern California, December 2003, available at http://iris.usc.edu/~afrancoi/pdf/sai-tr.pdf.

[Fre80] Freeman, P., "The Context of Design," in *Software Design Techniques*, 3d ed. (P. Freeman and A. Wasserman, eds.), IEEE Computer Society Press, 1980, pp. 2–4.

[Fre90] Freedman, D. P., and G. M. Weinberg, *Handbook of Walkthroughs, Inspections and Technical Reviews*, 3d ed., Dorset House, 1990.

[Gag04] Gage, D., and J. McCormick, "We Did Nothing Wrong," *Baseline Magazine*, March 4, 2004, available at www.baselinemag.com/article2/0,1397,1544403,00.asp.

[Gai95] Gaines, B., "Modeling and Forecasting the Information Sciences," Technical Report, University of Calgary, Calgary, Alberta, September 1995.

[Gam95] Gamma, E., et al., *Design Patterns: Elements of Reusable Object-Oriented Software*, Addison-Wesley, 1995.

[Gar84] Garvin, D., "What Does 'Product Quality' Really Mean?" *Sloan Management Review*, Fall 1984, pp. 25–45.

[Gar87] Garvin D., *"Competing on the Eight Dimensions of Quality," Harvard Business Review*, November 1987, pp. 101–109. A summary is available at www.acm.org/crossroads/ xrds6-4/software.html.

[Gar95] Garlan, D., and M. Shaw, "An Introduction to Software Architecture," *Advances in Software Engineering and Knowledge Engineering*, vol. I (V. Ambriola and G. Tortora, eds.), World Scientific Publishing Company, 1995.

[Gar08] GartnerGroup, "Understanding Hype Cycles," 2008, available at www.gartner.com/pages/story.php.id.8795.s.8.jsp.

[Gau89] Gause, D. C., and G. M. Weinberg, *Exploring Requirements: Quality Before Design*, Dorset House, 1989.

[Gey01] Geyer-Schulz, A., and M. Hahsler, "Software Engineering with Analysis Patterns," Technical Report 01/2001, Institut für Informationsverarbeitung und -wirtschaft, Wirschaftsuniversität Wien, November 2001, downloadable from wwwai.wu-wien.ac.at/~hahsler/ research/virlib_working2001/virlib/.

[Gil88] Gilb, T., *Principles of Software Project Management*, Addison-Wesley, 1988.

[Gil95] Gilb, T., "What We Fail to Do in Our Current Testing Culture," *Testing Techniques Newsletter* (online edition, ttn@soft.com), Software Research, January 1995.

[Gil06] Gillis, D., "Pattern-Based Design," tehan + lax blog, September 14, 2006, available at www.teehanlax.com/blog/?p=96.

[Gla98] Glass, R., "Defining Quality Intuitively," *IEEE Software*, May 1998, pp. 103–104, 107.

[Gla00] Gladwell, M., *The Tipping Point*, Back Bay Books, 2002.

[Gli07] Glinz, M., and R. Wieringa, "Stakeholders in Requirements Engineering," *IEEE Software*, vol. 24, no. 2, March–April 2007, pp. 18–20.

[Glu94] Gluch, D., "A Construct for Describing Software Development Risks," CMU/SEI-94-TR-14, Software Engineering Institute, 1994.

[Gna99] Gnaho, C., and F. Larcher, "A User-Centered Methodology for Complex and Customizable Web Engineering," *Proc. 1st ICSE Workshop on Web Engineering*, ACM, Los Angeles, May 1999.

[Gon04] Gonzales, R., "Requirements Engineering," Sandia National Laboratories, a slide presentation, available at www.incose.org/enchantment/docs/04AprRequirementsEngineering.pdf.

[Gor02] Gordon, B., and M. Gordon, *The Complete Guide to Digital Graphic Design*, Watson-Guptill, 2002.

[Gor06] Gorton, I., *Essential Software Architecture*, Springer, 2006.

[Gra87] Grady, R. B., and D. L. Caswell, *Software Metrics: Establishing a Company-Wide Program*, Prentice Hall, 1987.

[Gra92] Grady, R. B., *Practical Software Metrics for Project Management and Process Improvement*, Prentice Hall, 1992.

[Gra99] Grable, R., et al., "Metrics for Small Projects: Experiences at SED," *IEEE Software*, March 1999, pp. 21–29.

[Gra03] Gradecki, J., and N. Lesiecki, *Mastering AspectJ: Aspect-Oriented Programming in Java*, Wiley, 2003.

[Gru02] Grundy, J., "Aspect-Oriented Component Engineering," 2002, www.cs.auckland.ac.nz/~john-g/aspects.html.

[Gus89] Gustavsson, A., "Maintaining the Evolution of Software Objects in an Integrated Environment," *Proc. 2nd Intl. Workshop on Software Configuration Management*, ACM, Princeton, NJ, October 1989, pp. 114–117.

[Gut93] Guttag, J. V., and J. J. Horning, *Larch: Languages and Tools for Formal Specification*, Springer-Verlag, 1993.

[Hac98] Hackos, J., and J. Redish, *User and Task Analysis for Interface Design*, Wiley, 1998.

[Hai02] Hailpern, B., and P. Santhanam, "Software Debugging, Testing and Verification," *IBM Systems Journal*, vol. 41, no. 1, 2002, available at www.research.ibm.com/journal/sj/ 411/hailpern.html.

[Hal77] Halstead, M., *Elements of Software Science*, North-Holland, 1977.

[Hal90] Hall, A., "Seven Myths of Formal Methods," *IEEE Software*, September 1990, pp. 11–20.

[Hal98] Hall, E. M., *Managing Risk: Methods for Software Systems Development*, Addison-Wesley, 1998.

[Ham90] Hammer, M., "Reengineer Work: Don't Automate, Obliterate," *Harvard Business Review*, July–August 1990, pp. 104–112.

[Han95] Hanna, M., "Farewell to Waterfalls," *Software Magazine*, May 1995, pp. 38–46.

[Har98a] Harmon, P., "Navigating the Distributed Components Landscape," *Cutter IT Journal.*, vol. 11, no. 2, December 1998, pp. 4–11.

[Har98b] Harrison, R., S. J. Counsell, and R. V. Nithi, "An Evaluation of the MOOD Set of Object-Oriented Software Metrics," *IEEE Trans. Software Engineering*, vol. SE-24, no. 6, June 1998, pp. 491–496.

[Her00] Herrmann, D., *Software Safety and Reliability*, Wiley-IEEE Computer Society Press, 2000.

[Het84] Hetzel, W., *The Complete Guide to Software Testing*, QED Information Sciences, 1984.

[Het93] Hetzel, W., *Making Software Measurement Work*, QED Publishing, 1993.

[Hev93] Hevner, A. R., and H. D. Mills, "Box Structure Methods for System Development with Objects," *IBM Systems Journal*, vol. 31, no. 2, February 1993, pp. 232–251.

[Hig95] Higuera, R. P., "Team Risk Management," *CrossTalk*, U.S. Dept. of Defense, January 1995, pp. 2–4.

[Hig00] Highsmith, J., *Adaptive Software Development: An Evolutionary Approach to Managing Complex Systems*, Dorset House Publishing, 2000.

[Hig01] Highsmith, J. (ed.), "The Great Methodologies Debate: Part 1," *Cutter IT Journal.*, vol. 14, no. 12, December 2001.

[Hig02a] Highsmith, J. (ed.), "The Great Methodologies Debate: Part 2," *Cutter IT Journal.*, vol. 15, no. 1, January 2002.

[Hig02b] Highsmith, J., *Agile Software Development Ecosystems*, Addison-Wesley, 2002.

[Hil05] Hildreth, S., "Buggy Software: Up from a Low Quality Quagmire," *Computerworld*, July 25, 2005, available at www.computerworld.com/developmenttopics/development/story/0,10801,103378,00.html.

[Hil08] Hillside.net, *Patterns Catalog*, 2008, available at http://hillside.net/patterns/ online patterncatalog.htm.

[Hob06] Hoberman, S., *Data Modeling Made Simple*, Technics Publications, 2006.

[Hof00] Hofmeister, C., R. Nord, and D. Soni, *Applied Software Architecture*, Addison-Wesley, 2000.

[Hof01] Hofmann, C., et al., "Approaches to Software Architecture," 2001, downloadable from http://citeseer.nj.nec.com/84015.html.

[Hol06] Holzner, S., *Design Patterns for Dummies*, For Dummies Publishers, 2006.

[Hoo96] Hooker, D., "Seven Principles of Software Development," September 1996, available at http://c2.com/cgi/wikiSevenPrinciplesOfSoftwareDevelopment.

[Hop90] Hopper, M. D., "Rattling SABRE, New Ways to Compete on Information," *Harvard Business Review*, May–June 1990.

[Hor03] Horch, J., *Practical Guide to Software Quality Management*, 2d ed., Artech House, 2003.

[HPR02] Hypermedia Design Patterns Repository, 2002, available at www.designpattern .lu.unisi.ch/index.htm.

[Hum95] Humphrey, W., *A Discipline for Software Engineering*, Addison-Wesley, 1995.

[Hum96] Humphrey, W., "Using a Defined and Measured Personal Software Process," *IEEE Software*, vol. 13, no. 3, May–June 1996, pp. 77–88.

[Hum97] Humphrey, W., *Introduction to the Personal Software Process*, Addison-Wesley, 1997.

[Hum98] Humphrey, W., "The Three Dimensions of Process Improvement, Part III: The Team Process," *CrossTalk*, April 1998, available at www.stsc.hill.af.mil/crosstalk/1998/apr/ dimensions.asp.

[Hum00] Humphrey, W., *Introduction to the Team Software Process*, Addison-Wesley, 2000.

[Hun99] Hunt, A., D. Thomas, and W. Cunningham, *The Pragmatic Programmer*, Addison-Wesley, 1999.

[Hur83] Hurley, R. B., *Decision Tables in Software Engineering*, Van Nostrand-Reinhold, 1983.

[Hya96] Hyatt, L., and L. Rosenberg, "A Software Quality Model and Metrics for Identifying Project Risks and Assessing Software Quality," NASA SATC, 1996, available at http://satc.gsfc.nasa.gov/support/STC_APR96/qualtiy/stc_qual.html.

[IBM81] "Implementing Software Inspections," course notes, IBM Systems Sciences Institute, IBM Corporation, 1981.

[IBM03] IBM, *Web Services Globalization Model*, 2003, available at www.ibm.com/developerworks/webservices/library/ws-global/.

[IEE93a] *IEEE Standards Collection: Software Engineering*, IEEE Standard 610.12-1990, IEEE, 1993.

[IEE93b] *IEEE Standard Glossary of Software Engineering Terminology*, IEEE, 1993.

[IEE00] IEEE Standard Association, IEEE-Std-1471-2000, *Recommended Practice for Architectural Description of Software-Intensive Systems*, 2000, available at http://standards.ieee.org/reading/ieee/std_public/description/se/1471-2000_desc.html.

[IFP01] *Function Point Counting Practices Manual*, Release 4.1.1, International Function Point Users Group, 2001, available from www.ifpug.org/publications/manual.htm.

[IFP05] Function Point Bibliography/Reference Library, International Function Point Users Group, 2005, available from www.ifpug.org/about/bibliography.htm.

[ISI08] iSixSigma, LLC, "New to Six Sigma: A Guide for Both Novice and Experiences Quality Practitioners," 2008, available at www.isixsigma.com/library/content/six-sigma-newbie.asp.

[ISO00] ISO 9001: 2000 Document Set, International Organization for Standards, 2000, www.iso.ch/iso/en/iso9000-14000/iso9000/iso9000index.html.

[ISO02] *Z Formal Specification Notation—Syntax, Type System and Semantics*, ISO/IEC 13568:2002, Intl. Standards Organization, 2002.

[ISO08] ISO SPICE, 2008, www.isospice.com/categories/SPICE-Project/.

[Ivo01] Ivory, M., R. Sinha, and M. Hearst, " Empirically Validated Web Page Design Metrics," ACM *SIGCHI'01*, March 31–April 4, 2001, available at http://webtango.berkeley.edu/papers/chi2001/.

[Jac75] Jackson, M. A., *Principles of Program Design*, Academic Press, 1975.

[Jac92] Jacobson, I., *Object-Oriented Software Engineering*, Addison-Wesley, 1992.

[Jac98] Jackman, M., "Homeopathic Remedies for Team Toxicity," *IEEE Software*, July 1998, pp. 43-45.

[Jac99] Jacobson, I., G. Booch, and J. Rumbaugh, *The Unified Software Development Process*, Addison-Wesley, 1999.

[Jac02a] Jacobson, I., "A Resounding 'Yes' to Agile Processes—But Also More," *Cutter IT Journal*, vol. 15, no. 1, January 2002, pp. 18–24.

[Jac02b] Jacyntho, D., D. Schwabe, and G. Rossi, "An Architecture for Structuring Complex Web Applications," 2002, available at www2002.org/CDROM/alternate/478/.

[Jac04] Jacobson, I., and P. Ng, *Aspect-Oriented Software Development*, Addison-Wesley, 2004.

[Jal04] Jalote, P., et al., "Timeboxing: A Process Model for Iterative Software Development," *Journal of Systems and Software*, vol. 70, issue 2, 2004, pp. 117–127. Available at www.cse.iitk.ac.in/users/jalote/papers/Timeboxing.pdf.

[Jay94] Jaychandra, Y., *Re-engineering the Networked Enterprise*, McGraw-Hill, 1994.

[Jec06] Jech, T., *Set Theory*, 3d ed., Springer, 2006.

[Jon86] Jones, C., *Programming Productivity*, McGraw-Hill, 1986.

[Jon91] Jones, C., *Systematic Software Development Using VDM*, 2d ed., Prentice Hall, 1991.

[Jon96] Jones, C., "How Software Estimation Tools Work," *American Programmer*, vol. 9, no. 7, July 1996, pp. 19–27.

[Jon98] Jones, C., *Estimating Software Costs*, McGraw-Hill, 1998.

[Jon04] Jones, C., "Software Project Management Practices: Failure Versus Success," *CrossTalk*, October 2004. Available at www.stsc.hill.af.mil/crossTalk/2004/10/0410Jones.html.

[Joy00] Joy, B., "The Future Doesn't Need Us," *Wired*, vol. 8, no. 4, April 2000.

[Kai02] Kaiser, J., "Elements of Effective Web Design," About, Inc., 2002, available at http:// web design.about.com/library/weekly/aa091998.htm.

[Kal03] Kalman, S., *Web Security Field Guide*, Cisco Press, 2003.

[Kan93] Kaner, C., J. Falk, and H. Q. Nguyen, *Testing Computer Software*, 2d ed., Van Nostrand-Reinhold, 1993.

[Kan95] Kaner, C., "Lawyers, Lawsuits, and Quality Related Costs, 1995, available at www.bad software.com/plaintif.htm.

[Kan01] Kaner, C., "Pattern: Scenario Testing" (draft), 2001, available at www.testing.com/ test patterns/patterns/pattern-scenario-testing-kaner.html.

[Kar94] Karten, N., *Managing Expectations*, Dorset House, 1994.

[Kau95] Kauffman, S., *At Home in the Universe*, Oxford, 1995.

[Kaz98] Kazman, R., et al., *The Architectural Tradeoff Analysis Method*, Software Engineering Institute, CMU/SEI-98-TR-008, July 1998.

[Kaz03] Kazman, R., and A. Eden, "Defining the Terms Architecture, Design, and Implementation," *news@sei interactive*, Software Engineering Institute, vol. 6, no. 1, 2003, available at www.sei.cmu.edu/news-at-sei/columns/the_architect/2003/1q03/architect-1q03.htm.

[Kei98] Keil, M., et al., "A Framework for Identifying Software Project Risks," *CACM*, vol. 41, no. 11, November 1998, pp. 76–83.

[Kel00] Kelly, D., and R. Oshana, "Improving Software Quality Using Statistical Techniques, Information and Software Technology," Elsevier, vol. 42, August 2000, pp. 801–807, available at www.eng.auburn.edu/~kchang/comp6710/readings/Improving_Quality_with_Statistical_Testing_InfoSoftTech_August2000.pdf.

[Ker78] Kernighan, B., and P. Plauger, *The Elements of Programming Style*, 2d ed., McGraw-Hill, 1978.

[Ker05] Kerievsky, J., *Industrial XP: Making XP Work in Large Organizations*, Cutter Consortium, Executive Report, vol. 6., no. 2, 2005, available at www.cutter.com/content-and-analysis/resource-centers/agile-project-management/sample-our-research/apmr0502.html.

[Kim04] Kim, E., "A Manifesto for Collaborative Tools," *Dr. Dobb's Journal*, May 2004, available at www.blueoxen.com/papers/0000D/.

[Kir94] Kirani, S., and W. T. Tsai, "Specification and Verification of Object-Oriented Programs," Technical Report TR 94-64, Computer Science Department, University of Minnesota, December 1994.

[Kiz05] Kizza, J., *Computer Network Security*, Springer, 2005.

[Knu98] Knuth, D., *The Art of Computer Programming*, three volumes, Addison-Wesley, 1998.

[Kon02] Konrad, S., and B. Cheng, "Requirements Patterns for Embedded Systems," *Proceedings of the 10th Anniversary IEEE Joint International Conference on Requirements Engineering*, IEEE, September 2002, pp. 127–136, downloadable from http://citeseer.ist.psu.edu/669258.html.

[Kra88] Krasner, G., and S. Pope, "A Cookbook for Using the Model-View-Controller User Interface Paradigm in Smalltalk-80," *Journal of Object-Oriented Programming*, vol. 1, no. 3, August–September 1988, pp. 26–49.

[Kra95] Kraul, R., and L. Streeter, "Coordination in Software Development," *CACM*, vol. 38, no. 3, March 1995, pp. 69–81.

[Kru05] Krutchen, P., "Software Design in a Postmodern Era," *IEEE Software*, vol. 22, no. 2, March–April, 2005, pp. 16–18.

[Kru06] Kruchten, P., H. Obbink, and J. Stafford (eds.), "Software Architectural" (special issue), *IEEE Software*, vol. 23, no. 2, March–April, 2006.

[Kur05] Kurzweil, R., *The Singularity Is Near*, Penguin Books, 2005.

[Kyb84] Kyburg, H. E., *Theory and Measurement*, Cambridge University Press, 1984.

[Laa00] Laakso, S., et al., "Improved Scroll Bars," *CHI 2000 Conf. Proc.*, ACM, 2000, pp. 97–98, available at www.cs.helsinki.fi/u/salaakso/patterns/.

[Lai02] Laitenberger, A., "A Survey of Software Inspection Technologies," in *Handbook on Software Engineering and Knowledge Engineering*, World Scientific Publishing Company, 2002.

[Lam01] Lam, W., "Testing E-Commerce Systems: A Practical Guide," *IEEE IT Pro*, March–April 2001, pp. 19–28.

[Lan01] Lange, M., "It's Testing Time! Patterns for Testing Software, June 2001, downloadable from www.testing.com/test-patterns/patterns/index.html.

[Lan02] Land, R., "A Brief Survey of Software Architecture," Technical Report, Dept. of Computer Engineering, Mälardalen University, Sweden, February 2002.

[Leh97a] Lehman, M., and L. Belady, *Program Evolution: Processes of Software Change*, Academic Press, 1997.

[Leh97b] Lehman, M., et al., "Metrics and Laws of Software Evolution—The Nineties View," *Proceedings of the 4th International Software Metrics Symposium (METRICS '97)*, IEEE, 1997, downloadable from www.ece.utexas.edu/~perry/work/papers/feast1.pdf.

[Let01] Lethbridge, T., and R. Laganiere, *Object-Oriented Software Engineering: Practical Software Development Using UML and Java*, McGraw-Hill, 2001.

[Let03a] Lethbridge, T., Personal communication on domain analysis, May 2003.

[Let03b] Lethbridge, T., Personal communication on software metrics, June 2003.

[Lev95] Leveson, N. G., *Safeware: System Safety and Computers*, Addison-Wesley, 1995.

[Lev01] Levinson, M., "Let's Stop Wasting $78 billion a Year," *CIO Magazine*, October 15, 2001, available at www.cio.com/archive/101501/wasting.html.

[Lew06] Lewicki, R., B. Barry, and D. Saunders, *Essentials of Negotiation*, McGraw-Hill, 2006.

[Lie03] Lieberherr, K., "Demeter: Aspect-Oriented Programming," May 2003, available at www.ccs.neu.edu/home/lieber/LoD.html.

[Lin79] Linger, R., H. Mills, and B. Witt, *Structured Programming*, Addison-Wesley, 1979.

[Lin88] Linger, R. M., and H. D. Mills, "A Case Study in Cleanroom Software Engineering: The IBM COBOL Structuring Facility," *Proc. COMPSAC '88*, Chicago, October 1988.

[Lin94] Linger, R., "Cleanroom Process Model," *IEEE Software*, vol. 11, no. 2, March 1994, pp. 50–58.

[Lis88] Liskov, B., "Data Abstraction and Hierarchy," *SIGPLAN Notices*, vol. 23, no. 5, May 1988.

[Liu98] Liu, K., et al., "Report on the First SEBPC Workshop on Legacy Systems," Durham University, February 1998, available at www.dur.ac.uk/CSM/SABA/legacy-wksp1/report.html.

[Lon02] Longstreet, D., "Fundamental of Function Point Analysis," Longstreet Consulting, Inc., 2002, available at www.ifpug.com/fpafund.htm.

[Lor94] Lorenz, M., and J. Kidd, *Object-Oriented Software Metrics*, Prentice Hall, 1994.

[Maa07] Maassen, O., and S. Stelting, "Creational Patterns: Creating Objects in an OO System," 2007, available at www.informit.com/articles/article.asp?p=26452&rl=1.

[Man81] Mantai, M., "The Effect of Programming Team Structures on Programming Tasks," *CACM*, vol. 24, no. 3, March 1981, pp. 106–113.

[Man97] Mandel, T., *The Elements of User Interface Design*, Wiley, 1997.

[Mar94] Marick, B., *The Craft of Software Testing*, Prentice Hall, 1994.

[Mar00] Martin, R., "Design Principles and Design Patterns," downloadable from www .objectmentor.com, 2000.

[Mar01] Marciniak, J. J. (ed.), *Encyclopedia of Software Engineering*, 2d ed., Wiley, 2001.

[Mar02] Marick, B., "Software Testing Patterns," 2002, www.testing.com/test-patterns/ index.html.

[McC76] McCabe, T., "A Software Complexity Measure," *IEEE Trans. Software Engineering*, vol. SE-2, December 1976, pp. 308–320.

[McC77] McCall, J., P. Richards, and G. Walters, "Factors in Software Quality," three volumes, NTIS AD-A049-014, 015, 055, November 1977.

[McC94] McCabe, T. J., and A. H. Watson, "Software Complexity," *CrossTalk*, vol. 7, no. 12, December 1994, pp. 5–9.

[McC96] McConnell, S., "Best Practices: Daily Build and Smoke Test", *IEEE Software*, vol. 13, no. 4, July 1996, pp. 143–144.

[McC98] McConnell, S., *Software Project Survival Guide*, Microsoft Press, 1998.

[McC99] McConnell, S., "Software Engineering Principles," *IEEE Software*, vol. 16, no. 2,
March–April 1999, available at www.stevemcconnell.com/ieeesoftware/eic04.htm.

[McC04] McConnell, S., *Code Complete*, Microsoft Press, 2004.

[McC05] McCrory, A., "Ten Technologies to Watch in 2006," SeachCIO.com, October 27, 2005, available at http://searchcio.techtarget.com/originalContent/0,289142,sid19_gci1137889,00.html.

[McDE93] McDermid, J., and P. Rook, "Software Development Process Models," in *Software Engineer's Reference Book*, CRC Press, 1993, pp. 15/26–15/28.

[McG91] McGlaughlin, R., "Some Notes on Program Design," *Software Engineering Notes*, vol. 16, no. 4, October 1991, pp. 53–54.

[McG94] McGregor, J. D., and T. D. Korson, "Integrated Object-Oriented Testing and Development Processes," *Communications of the ACM*, vol. 37, no. 9, September, 1994, pp. 59–77.

[Men01] Mendes, E., N. Mosley, and S. Counsell, "Estimating Design and Authoring Effort," *IEEE Multimedia*, vol. 8, no. 1, January–March 2001, pp. 50–57.

[Mer93] Merlo, E., et al., "Reengineering User Interfaces," *IEEE Software*, January 1993, pp. 64–73.

[Mic08] *Microsoft Accessibility Technology for Everyone*, 2008, available at www.microsoft.com/enable/.

[Mic04] Microsoft, "Prescriptive Architecture: Integration and Patterns," *MSDN*, May 2004, available at http://msdn2.microsoft.com/en-us/library/ms978700.aspx.

[Mic07] Microsoft, "Patterns and Practices," *MSDN*, 2007, available at http://msdn2.microsoft.com/en-us/library/ms998478.aspx.

[Mil72] Mills, H. D., "Mathematical Foundations for Structured Programming," Technical Report FSC 71-6012, IBM Corp., Federal Systems Division, Gaithersburg, MD, 1972.

[Mil77] Miller, E., "The Philosophy of Testing," in *Program Testing Techniques*, IEEE Computer Society Press, 1977, pp. 1–3.

[Mil87] Mills, H. D., M. Dyer, and R. Linger, "Cleanroom Software Engineering," *IEEE Software*, September 1987, pp. 19–25.

[Mil88] Mills, H. D., "Stepwise Refinement and Verification in Box Structured Systems," *Computer*, vol. 21, no. 6, June 1988, pp. 23–35.

[Mil00a] Miller, E., "WebSite Testing," 2000, available at www.soft.com/eValid/Technology/ White.Papers/website.testing.html.

[Mil00b] Mili, A., and R, Cowan, "Software Engineering Technology Watch," April 6, 2000, available at www.serc.net/projects/TechWatch/NSF%20TechWatch%20Proposal.htm.

[Min95] Minoli, D., *Analyzing Outsourcing*, McGraw-Hill, 1995.

[Mon84] Monk, A. (ed.), *Fundamentals of Human-Computer Interaction*, Academic Press, 1984.

[Mor81] Moran, T. P., "The Command Language Grammar: A Representation for the User Interface of Interactive Computer Systems," *Intl. Journal of Man-Machine Studies*, vol. 15, pp. 3–50.

[Mor05] Morales, A., "The Dream Team," *Dr. Dobbs Portal*, March 3, 2005, available at www.ddj.com/dept/global/184415303.

[Mus87] Musa, J. D., A. Iannino, and K. Okumoto, *Engineering and Managing Software with Reliability Measures*, McGraw-Hill, 1987.

[Mus93] Musa, J., "Operational Profiles in Software Reliability Engineering," *IEEE Software*, March 1993, pp. 14–32.

[Mut03] Mutafelija, B., and H. Stromberg, *Systematic Process Improvement Using ISO 9001:2000 and CMMI*, Artech, 2003.

[Mye78] Myers, G., *Composite Structured Design*, Van Nostrand, 1978.

[Mye79] Myers, G., *The Art of Software Testing*, Wiley, 1979.

[NAS07] NASA, *Software Risk Checklist*, Form LeR-F0510.051, March 2007, downloadable from http://osat-ext.grc.nasa.gov/rmo/spa/SoftwareRiskChecklist.doc.

[Nau69] Naur, P., and B. Randall (eds.), *Software Engineering: A Report on a Conference Sponsored by the NATO Science Committee*, NATO, 1969.

[Ngu00] Nguyen, H., "Testing Web-Based Applications," *Software Testing and Quality Engineering*, May–June 2000, available at www.stqemagazine.com.

[Ngu01] Nguyen, H., *Testing Applications on the Web*, Wiley, 2001.

[Ngu06] Nguyen, T., "Model-Based Version and Configuration Management for a Web Engineering Lifecycle," *Proc. 15th Intl. World Wide Web Conf.*, Edinburg, Scotland, 2006, download from www2006.org/programme/item.php?id=4552.

[Nie92] Nierstrasz, O., S. Gibbs, and D. Tsichritzis, "Component-Oriented Software Development," *CACM*, vol. 35, no. 9, September 1992, pp. 160–165.

[Nie94] Nielsen, J., and J. Levy, "Measuring Usability: Preference vs. Performance," *CACM*, vol. 37, no. 4, April 1994, pp. 65–75.

[Nie96] Nielsen, J., and A. Wagner, "User Interface Design for the WWW," *Proc. CHI '96 Conf. on Human Factors in Computing Systems*, ACM Press, 1996, pp. 330–331.

[Nie00] Nielsen, J., *Designing Web Usability*, New Riders Publishing, 2000.

[Nog00} Nogueira, J., C. Jones, and Luqi, "Surfing the Edge of Chaos: Applications to Software Engineering," Command and Control Research and Technology Symposium, Naval Post Graduate School, Monterey, CA, June 2000, downloadable from www.dodccrp.org/2000CCRTS/cd/html/pdf_papers/Track_4/075.pdf.

[Nor70] Norden, P., "Useful Tools for Project Management" in *Management of Production*, M. K. Starr (ed.), Penguin Books, 1970.

[Nor86] Norman, D. A., "Cognitive Engineering," in *User Centered Systems Design*, Lawrence Earlbaum Associates, 1986.

[Nor88] Norman, D., *The Design of Everyday Things*, Doubleday, 1988.

[Nov04] Novotny, O., "Next Generation Tools for Object-Oriented Development," *The Architecture Journal*, January 2005, available at http://msdn2.microsoft.com/en-us/library/aa480062.aspx.

[Noy02] Noyes, B., "Rugby, Anyone?" *Managing Development* (an online publication of Fawcette Technical Publications), June 2002, www.fawcette.com/resources/managingdev/methodologies/scrum/.

[Off02] Offutt, J., "Quality Attributes of Web Software Applications," *IEEE Software*, March–April 2002, pp. 25–32.

[Ols99] Olsina, L., et al., "Specifying Quality Characteristics and Attributes for Web Sites," *Proc. 1st ICSE Workshop on Web Engineering*, ACM, Los Angeles, May 1999. [Ols06] Olsen, G., "From

COM to Common," *Component Technologies*, ACM, vol. 4, no. 5, June 2006, available at http://acmqueue.com/modules.php?name=Content&pa=showpage& pid=394.

[OMG03a] Object Management Group, *OMG Unified Modeling Language Specification*, version 1.5, March 2003, available from www.rational.com/uml/resources/documentation/.

[OMG03b] "Object Constraint Language Specification," in *Unified Modeling Language*, v2.0, Object Management Group, September 2003, downloadable from www.omg.org.

[Orf99] Orfali, R., D. Harkey, and J. Edwards, *Client/Server Survival Guide*, 3d ed., Wiley, 1999.

[Osb90] Osborne, W. M., and E. J. Chikofsky, "Fitting Pieces to the Maintenance Puzzle," *IEEE Software*, January 1990, pp. 10–11.

[OSO08] OpenSource.org, 2008, available at www.opensource.org/.

[Pag85] Page-Jones, M., *Practical Project Management*, Dorset House, 1985, p. vii.

[Pal02] Palmer, S., and J. Felsing, *A Practical Guide to Feature Driven Development*, Prentice Hall, 2002.

[Par72] Parnas, D. L., "On Criteria to Be Used in Decomposing Systems into Modules," *CACM*, vol. 14, no. 1, April 1972, pp. 221–227.

[Par96a] Pardee, W., *To Satisfy and Delight Your Customer*, Dorset House, 1996.

[Par96b] Park, R. E., W. B. Goethert, and W. A. Florac, *Goal Driven Software Measurement—A Guidebook*, CMU/SEI-96-BH-002, Software Engineering Institute, Carnegie Mellon University, August 1996.

[Pat07] Patton, J., "Understanding User Centricity," *IEEE Software*, vol. 24, no. 6, November–-December, 2007, pp. 9–11.

[Pau94] Paulish, D., and A. Carleton, "Case Studies of Software Process Improvement Measurement," *Computer*, vol. 27, no. 9, September 1994, pp. 50–57.

[PCM03] "Technologies to Watch," *PC Magazine*, July 2003, available at www.pcmag.com/article2/0,4149,1130591,00.asp.

[Per74] Persig, R., *Zen and the Art of Motorcycle Maintenance*, Bantam Books, 1974.

[Pet06] Pethokoukis, J., "Small Biz Watch: Future Business Trends," *U.S. News & World Report*, January 20, 2006, available at www.usnews.com/usnews/biztech/articles/060120/ 20sbw.htm.

[Pha89] Phadke, M. S., *Quality Engineering Using Robust Design*, Prentice Hall, 1989.

[Pha97] Phadke, M. S., "Planning Efficient Software Tests," *CrossTalk*, vol. 10, no. 10, October 1997, pp. 11–15.

[Phi98] Phillips, D., *The Software Project Manager's Handbook*, IEEE Computer Society Press, 1998.

[Phi02] Phillips, M., "CMMI V1.1 Tutorial.," April 2002, available at www.sei.cmu.edu/cmmi/.

[Pol45] Polya, G., *How to Solve It*, Princeton University Press, 1945.

[Poo88] Poore, J. H., and H. D. Mills, "Bringing Software Under Statistical Quality Control," *Quality Progress*, November 1988, pp. 52–55.

[Poo93] Poore, J. H., H. D. Mills, and D. Mutchler, "Planning and Certifying Software System Reliability," *IEEE Software*, vol. 10, no. 1, January 1993, pp. 88–99.

[Pop03] Poppendieck, M., and T. Poppendieck, *Lean Software Development*, Addison-Wesley, 2003.

[Pop06a] Poppendeick, LLC, *Lean Software Development*, available at www.poppendieck.com/.

[Pop06b] Poppendieck, M., and T. Poppendieck, *Implementing Lean Software Development*, Addison-Wesley, 2006.

[Pop08] Popcorn, F., *Faith Popcorn's Brain Reserve*, 2008, available at www.faithpopcorn.com/.

[Pot04] Potter, M., *Set Theory and Its Philosophy: A Critical Introduction*, Oxford University Press, 2004.

[Pow98] Powell, T., *Web Site Engineering*, Prentice Hall, 1998.

[Pow02] Powell, T., *Web Design*, 2d ed., McGraw-Hill/Osborne, 2002.

[Pre94] Premerlani, W., and M. Blaha, "An Approach for Reverse Engineering of Relational Databases," *CACM*, vol. 37, no. 5, May 1994, pp. 42–49.

[Pre88] Pressman, R., *Making Software Engineering Happen*, Prentice Hall, 1988.

[Pre05] Pressman, R., *Adaptable Process Model*, revision 2.0, R. S. Pressman & Associates, 2005, available at www.rspa.com/apm/index.html.

[Pre08] Pressman, R., and D. Lowe, *Web Engineering: A Practitioner's Approach*, McGraw-Hill, 2008.

[Put78] Putnam, L., "A General Empirical Solution to the Macro Software Sizing and Estimation Problem," *IEEE Trans. Software Engineering*, vol. SE-4, no. 4, July 1978, pp. 345–361.

[Put92] Putnam, L., and W. Myers, *Measures for Excellence*, Yourdon Press, 1992.

[Put97a] Putnam, L., and W. Myers, "How Solved Is the Cost Estimation Problem?" *IEEE Software*, November 1997, pp. 105–107.

[Put97b] Putnam, L., and W. Myers, *Industrial Strength Software: Effective Management Using Measurement*, IEEE Computer Society Press, 1997.

[Pyz03] Pyzdek, T., *The Six Sigma Handbook*, McGraw-Hill, 2003.

[QAI08] *A Software Engineering Curriculum*, QAI, 2008, information can be obtained at www.qaieschool.com/innerpages/offer.asp.

[QSM02] "QSM Function Point Language Gearing Factors," Version 2.0, Quantitative Software Management, 2002, www.qsm.com/FPGearing.html.

[Rad02] Radice, R., *High-Quality Low Cost Software Inspections*, Paradoxicon Publishing, 2002.

[Rai06] Raiffa, H., *The Art and Science of Negotiation*, Belknap Press, 2005.

[Ree99] Reel, J. S., "Critical Success Factors in Software Projects," *IEEE Software*, May 1999, pp. 18–23.

[Ric01] Ricadel, A., "The State of Software Quality," *InformationWeek*, May 21, 2001, available at www.informationweek.com/838/quality.htm.

[Ric04] Rico, D., *ROI of Software Process Improvement*, J. Ross Publishing, 2004. A summary article can be found at http://davidfrico.com/rico03a.pdf.

[Roc94] Roche, J. M., "Software Metrics and Measurement Principles," *Software Engineering Notes*, ACM, vol. 19, no. 1, January 1994, pp. 76–85.

[Roc06] *Graphic Design That Works*, Rockport Publishers, 2006.

[Roe00] Roetzheim, W., "Estimating Internet Development," *Software Development*, August 2000, available at www.sdmagazine.com/documents/s=741/sdm0008d/0008d.htm.

[Roo96] Roos, J., "The Poised Organization: Navigating Effectively on Knowledge Landscapes," 1996, available at www.imd.ch/fac/roos/paper_po.html.

[Ros75] Ross, D., J. Goodenough, and C. Irvine, "Software Engineering: Process, Principles and Goals," *IEEE Computer*, vol. 8, no. 5, May 1975.

[Ros04] Rosenhainer, L., "Identifying Crosscutting Concerns in Requirements Specifications," 2004, available at http://trese.cs.utwente.nl/workshops/oopsla-early-aspects-2004/ Papers/Rosenhainer.pdf.

[Rou02] Rout, T (project manager), *SPICE: Software Process Assessment—Part 1: Concepts and Introductory Guide*, 2002, downloadable from www.sqi.gu.edu.au/spice/suite/download.html.

[Roy70] Royce, W. W., "Managing the Development of Large Software Systems: Concepts and Techniques," *Proc. WESCON*, August 1970.

[Roz05] Rozanski, N., and E. Woods, *Software Systems Architecture*, Addison-Wesley, 2005.

[Rub88] Rubin, T., *User Interface Design for Computer Systems*, Halstead Press (Wiley), 1988.

[Rum91] Rumbaugh, J., et al., *Object-Oriented Modeling and Design*, Prentice Hall, 1991.

[Sar06] Sarwate, A., "Hot or Not: Web Application Vulnerabilities," *SC Magazine*, December 27, 2006, available at http://scmagazine.com/us/news/article/623765/hot-not-web-application vulnerabilities.

[Sca00] Scacchi, W., "Understanding Software Process Redesign Using Modeling, Analysis, and Simulation," *Software Process Improvement and Practice*, Wiley, 2000, pp. 185–195, downloadable at www.ics.uci.edu/~wscacchi/Papers/Software_Process_Redesign/ SPIP-ProSim99.pdf.

[Sce02] Sceppa, D., *Microsoft ADO.NET*, Microsoft Press, 2002.

[Sch95] Schwabe, D., and G. Rossi, "The Object-Oriented Hypermedia Design Model," *CACM*, vol. 38, no. 8, August 1995, pp. 45–46.

[Sch96] Schorsch, T., "The Capability Im-Maturity Model," *CrossTalk*, November 1996, available at www.stsc.hill.af.mil/crosstalk/1996/11/xt96d11h.asp.

[Sch98a] Schneider, G., and J. Winters, *Applying Use Cases*, Addison-Wesley, 1998.

[Sch98b] Schwabe, D., and G. Rossi, "Developing Hypermedia Applications Using OOHDM," *Proc. Workshop on Hypermedia Development Process, Methods and Models, Hypertext '98*, 1998, downloadable from http://citeseer.nj.nec.com/schwabe98developing.html.

[Sch98c] Schulmeyer, G. C., and J. I. McManus (eds.), *Handbook of Software Quality Assurance*, 3d ed., Prentice Hall, 1998.

[Sch99] Schneidewind, N., "Measuring and Evaluating Maintenance Process Using Reliability, Risk, and Test Metrics," *IEEE Trans. SE*, vol. 25, no. 6, November–December 1999, pp. 768–781, downloadable from www.dacs.dtic.mil/topics/reliability/IEEETrans.pdf.

[Sch01a] Schwabe, D., G. Rossi, and Barbosa, S., "Systematic Hypermedia Application Design Using OOHDM," 2001, available at www-di.inf.puc-rio.br/~schwabe/HT96WWW/section1 .html.

[Sch01b] Schwaber, K., and M. Beedle, *Agile Software Development with SCRUM*, Prentice Hall, 2001.

[Sch02] Schwaber, K., "Agile Processes and Self-Organization," Agile Alliance, 2002, www. aanpo.org/articles/index.

[Sch03] Schlickman, J., *ISO 9001: 2000 Quality Management System Design*, Artech House Publishers, 2003.

[Sch06] Schmidt, D., "Model-Driven Engineering," *IEEE Computer*, vol. 39, no. 2, February 2006, pp. 25–31.

[SDS08] Spice Document Suite, "The SPICE and ISO Document Suite," ISO-Spice, 2008, available at www.isospice.com/articles/9/1/SPICE-Project/Page1.html.

[Sea93] Sears, A., "Layout Appropriateness: A Metric for Evaluating User Interface Widget Layout, *IEEE Trans. Software Engineering*, vol. SE-19, no. 7, July 1993, pp. 707–719.

[SEE03] The Software Engineering Ethics Research Institute, "UCITA Updates," 2003, available at http://seeri.etsu.edu/default.htm.

[SEI00] *SCAMPI, V1.0 Standard CMMI ®Assessment Method for Process Improvement: Method Description*, Software Engineering Institute, Technical Report CMU/SEI-2000-TR-009, downloadable from www.sei.cmu.edu/publications/documents/00.reports/00tr009.html.

[SEI02] "Maintainability Index Technique for Measuring Program Maintainability," SEI, 2002, available at www.sei.cmu.edu/str/descriptions/mitmpm_body.html.

[SEI08] "The Ideal Model," Software Engineering Institute, 2008, available at www.sei.cmu .edu/ ideal/.

[Sha95a] Shaw, M., and D. Garlan, "Formulations and Formalisms in Software Architecture," *Volume 1000—Lecture Notes in Computer Science*, Springer-Verlag, 1995.

[Sha95b] Shaw, M., et al., "Abstractions for Software Architecture and Tools to Support Them," *IEEE Trans. Software Engineering*, vol. SE-21, no. 4, April 1995, pp. 314–335.

[Sha96] Shaw, M., and D. Garlan, *Software Architecture*, Prentice Hall, 1996.

[Sha05] Shalloway, A., and J. Trott, *Design Patterns Explained*, 2d ed., Addison-Wesley, 2005.

[Shn80] Shneiderman, B., *Software Psychology*, Winthrop Publishers, 1980, p. 28.

[Shn04] Shneiderman, B., and C. Plaisant, *Designing the User Interface*, 4th ed., Addison-Wesley, 2004.

[Sho83] Shooman, M. L., *Software Engineering*, McGraw-Hill, 1983.

[Sim05] Simsion, G., and G. Witt, *Data Modeling Essentials*, 3d ed., Morgan Kaufman, 2005.

[Sin99] Singpurwalla, N., and S. Wilson, *Statistical Methods in Software Engineering: Reliability and Risk*, Springer-Verlag, 1999.

[Smi99] Smith, J., "The Estimation of Effort Based on Use Cases," Rational Software Corp., 1999, downloadable from www.rational.com/media/whitepapers/finalTP171.PDF.

[Smi05] Smith, D, *Reliability, Maintainability and Risk*, 7th ed., Butterworth-Heinemann, 2005.

[Sne95] Sneed, H., "Planning the Reengineering of Legacy Systems," *IEEE Software*, January 1995, pp. 24–25.

[Sne03] Snee, R., and R. Hoerl, *Leading Six Sigma*, Prentice Hall, 2003.

[Sol99] van Solingen, R., and E. Berghout, *The Goal/Question/Metric Method*, McGraw-Hill, 1999.

[Som97] Somerville, I., and P. Sawyer, *Requirements Engineering*, Wiley, 1997.

[Som05] Somerville, I., "Integrating Requirements Engineering: A Tutorial," *IEEE Software*, vol. 22, no. 1, January–February 2005, pp. 16–23.

[SPI99] "SPICE: Software Process Assessment, Part 1: Concepts and Introduction," Version 1.0, ISO/IEC JTC1, 1999.

[Spl01] Splaine, S., and S. Jaskiel, *The Web Testing Handbook*, STQE Publishing, 2001.

[Spo02] Spolsky, J, "The Law of Leaky Abstractions," November 2002, available at www.joelonsoftware.com/articles/LeakyAbstractions.html.

[Sri01] Sridhar, M., and N. Mandyam, "Effective Use of Data Models in Building Web Applications," 2001, available at www2002.org/CDROM/alternate/698/.

[SSO08] Software-Supportability.org, www.software-supportability.org/, 2008.

[Sta97] Stapleton, J., *DSDM—Dynamic System Development Method: The Method in Practice*, Addison-Wesley, 1997.

[Sta97b] Statz, J., D. Oxley, and P. O'Toole, "Identifying and Managing Risks for Software Process Improvement," *CrossTalk*, April 1997, available at www.stsc.hill.af.mil/crosstalk/1997/04/identifying.asp.

[Ste74] Stevens, W., G. Myers, and L. Constantine, "Structured Design," *IBM Systems Journal*, vol. 13, no. 2, 1974, pp. 115–139.

[Ste93] Stewart, T. A., "Reengineering: The Hot New Managing Tool," *Fortune*, August 23, 1993, pp. 41–48.

[Ste99] Stelzer, D., and W. Mellis, "Success Factors of Organizational Change in Software Process Improvement," *Software Process Improvement and Practice*, vol. 4, no. 4, Wiley, 1999, downloadable from www.systementwicklung.uni-koeln.de/forschung/artikel/dokumente/successfactors.pdf.

[Ste03] Stephens, M., and D. Rosenberg, *Extreme Programming Refactored*, Apress, 2003.

[Sto05] Stone, D., et al., *User Interface Design and Evaluation*, Morgan Kaufman, 2005.

[Tai89] Tai, K. C., "What to Do Beyond Branch Testing," *ACM Software Engineering Notes*, vol. 14, no. 2, April 1989, pp. 58–61.

[Tay90] Taylor, D., *Object-Oriented Technology: A Manager's Guide*, Addison-Wesley, 1990.

[Tha97] Thayer, R. H., and M. Dorfman, *Software Requirements Engineering*, 2d ed., IEEE Computer Society Press, 1997.

[The01] Thelin, T., H. Petersson, and C. Wohlin, "Sample Driven Inspections," *Proc. of Workshop on Inspection in Software Engineering (WISE'01)*, Paris, France, July 2001, pp. 81–91, downloadable from http://www.cas.mcmaster.ca/wise/wise01/ThelinPeterssonWohlin.pdf.

[Tho92] Thomsett, R., "The Indiana Jones School of Risk Management," *American Programmer*, vol. 5, no. 7, September 1992, pp. 10–18.

[Tic05] *TickIT*, 2005, www.tickit.org/.

[Tid02] Tidwell, J., "IU Patterns and Techniques," May 2002, available at http://time-tripper.com/uipatterns/index.html.

[Til93] Tillmann, G., *A Practical Guide to Logical Data Modeling*, McGraw-Hill, 1993.

[Til00] Tillman, H., "Evaluating Quality on the Net," Babson College, May 30, 2000, available at www.hopetillman.com/findqual.html#2.

[Tog01] Tognozzi, B., "First Principles," *askTOG*, 2001, available at www.asktog.com/basics/ first Principles.html.

[Tra95] Tracz, W., "Third International Conference on Software Reuse—Summary," *ACM Software Engineering Notes*, vol. 20, no. 2, April 1995, pp. 21–22.

[Tre03] Trivedi, R, *Professional Web Services Security*, Wrox Press, 2003.

[Tri05] Tricker, R., and B. Sherring-Lucas, *ISO 9001: 2000 In Brief*, 2d ed., ButterworthHeinemann, 2005.

[Tyr05] Tyree, J., and A. Akerman, "Architectural Decisions: Demystifying Architecture," *IEEE Software*, vol. 22, no. 2, March–April, 2005.

[Uem99] Uemura, T., S. Kusumoto, and K. Inoue: "A Function Point Measurement Tool for UML Design Specifications,'" *Proc. of Sixth International Symposium on Software Metrics*, IEEE, November 1999, pp. 62–69

[Ull97] Ullman, E., *Close to the Machine: Technophilia and Its Discontents*, City Lights Books, 2002.

[UML03] The UML Café, "Customers Don't Print Themselves," May 2003, available at www.theumlcafe.com/a0079.htm.

[Uni03] Unicode, Inc., *The Unicode Home Page*, 2003, available at www.unicode.org/.

[USA87] *Management Quality Insight*, AFCSP 800-14 (U.S. Air Force), January 20, 1987.

[Vac06] Vacca, J., *Practical Internet Security*, Springer, 2006.

[Van89] Van Vleck, T., "Three Questions About Each Bug You Find," *ACM Software Engineering Notes*, vol. 14, no. 5, July 1989, pp. 62–63.

[Van02] Van Steen, M., and A. Tanenbaum, *Distributed Systems: Principles and Paradigms*, Prentice Hall, 2002.

[Ven03] Venners, B., "Design by Contract: A Conversation with Bertrand Meyer," *Artima Developer*, December 8, 2003, available at www.artima.com/intv/contracts.html.

[Wal03] Wallace, D., I. Raggett, and J. Aufgang, *Extreme Programming for Web Projects*, Addison-Wesley, 2003.

[War74] Warnier, J. D., *Logical Construction of Programs*, Van Nostrand-Reinhold, 1974.

[War07] Ward, M., "Using VoIP Software Building zBlocks—A Look at the Choices," TMNNet, 2007, available at www.tmcnet.com/voip/0605/featurearticle-using-voip-software-building-blocks.htm.

[Web05] Weber, S., *The Success of Open Source*, Harvard University Press, 2005.

[Wei86] Weinberg, G., *On Becoming a Technical Leader*, Dorset House, 1986.

[Wel99] Wells, D., "XP—Unit Tests," 1999, available at www.extremeprogramming.org/ rules/unittests.html.

[Wel01] vanWelie, M., "Interaction Design Patterns," 2001, available at www.welie.com/patterns/.

[Whi95] Whittle, B., "Models and Languages for Component Description and Reuse," *ACM Software Engineering Notes*, vol. 20, no. 2, April 1995, pp. 76–89.

[Whi97] Whitmire, S., *Object-Oriented Design Measurement*, Wiley, 1997.

[Wie02] Wiegers, K., *Peer Reviews in Software*, Addison-Wesley, 2002.

[Wie03] Wiegers, K., *Software Requirements*, 2d ed., Microsoft Press, 2003.

[Wil93] Wilde, N., and R. Huitt, "Maintaining Object-Oriented Software," *IEEE Software*, January 1993, pp. 75–80.

[Wil97] Williams, R. C, J. A. Walker, and A. J. Dorofee, "Putting Risk Management into Practice," *IEEE Software*, May 1997, pp. 75–81.

[Wil99] Wilkens, T. T., "Earned Value, Clear and Simple," Primavera Systems, April 1, 1999, p. 2.

[Wil00] Williams, L., and R. Kessler, "All I Really Need to Know about Pair Programming I Learned in Kindergarten," *CACM*, vol. 43, no. 5, May 2000, available at http://collaboration.csc.ncsu.edu/laurie/Papers/Kindergarten.PDF.

[Wil05] Willoughby, M., "Q&A: Quality Software Means More Secure Software," *Computerworld*, March 21, 2005, available at www.computerworld.com/securitytopics/security/story/0,10801,91316,00.html.

[Win90] Wing, J. M., "A Specifier's Introduction to Formal Methods," *IEEE Computer*, vol. 23, no. 9, September 1990, pp. 8–24.

[Wir71] Wirth, N., "Program Development by Stepwise Refinement," *CACM*, vol. 14, no. 4, 1971, pp. 221–227.

[Wir90] Wirfs-Brock, R., B. Wilkerson, and L. Weiner, *Designing Object-Oriented Software*, Prentice Hall, 1990.

[WMT02] Web Mapping Testbed Tutorial., 2002, available at www.webmapping.org/vcgdocuments/vcgTutorial/.

[Woh94] Wohlin, C., and P. Runeson, "Certification of Software Components," *IEEE Trans. Software Engineering*, vol. SE-20, no. 6, June 1994, pp. 494–499.

[Wor04] World Bank, *Digital Technology Risk Checklist*, 2004, downloadable from www.moonv6.org/lists/att-0223/WWBANK_Technology_Risk_Checklist_Ver_6point1.pdf.

[W3C03] World Wide Web Consortium, *Web Content Accessibility Guidelines*, 2003, available at www.w3.org/TR/2003/WD-WCAG20-20030624/.

[Yac03] Yacoub, S., et al., *Pattern-Oriented Analysis and Design*, Addison-Wesley, 2003.

[You75] Yourdon, E., *Techniques of Program Structure and Design*, Prentice Hall, 1975.

[You79] Yourdon, E., and L. Constantine, *Structured Design*, Prentice Hall, 1979.

[You95] Yourdon, E., "When Good Enough Is Best," *IEEE Software*, vol. 12, no. 3, May 1995, pp. 79–81.

[You01] Young, R., *Effective Requirements Practices*, Addison-Wesley, 2001.

[Zah90] Zahniser, R. A., "Building Software in Groups," *American Programmer*, vol. 3, nos. 7–8, July–August 1990.

[Zah94] Zahniser, R., "Timeboxing for Top Team Performance," *Software Development*, March 1994, pp. 35–38.

[Zha98] Zhao, J, "On Assessing the Complexity of Software Architectures," *Proc. Intl. Software Architecture Workshop*, ACM, Orlando, FL, 1998, pp. 163–167.

[Zha02] Zhao, H., "Fitt's Law: Modeling Movement Time in HCI," *Theories in Computer Human Interaction*, University of Maryland, October 2002, available at www.cs.umd.edu/class/fall2002/cmsc838s/tichi/fitts.html.

[Zul92] Zultner, R., "Quality Function Deployment for Software: Satisfying Customers," *American Programmer*, February 1992, pp. 28–41.

[Zus90] Zuse, H., *Software Complexity: Measures and Methods*, DeGruyter, 1990.

[Zus97] Zuse, H., *A Framework of Software Measurement*, DeGruyter, 1997.