

参考文献

- Ambler, Scott. 1995. "Reduce Development Costs with Use-Case Scenario Testing." *Software Development* 3(7):53-61.
- . 1999. "Trace Your Design." *Software Development* 7(4):48-55.
- Andriole, Stephen J. 1996. *Managing Systems Requirements: Methods, Tools, and Cases*. New York: McGraw-Hill.
- Arlow, Jim. 1998. "Use Cases, UML Visual Modeling and the Trivialisation of Business Requirements." *Requirements Engineering* 3(2):150-152.
- Arnold, Robert S., and Shawn A. Bohner. 1998. *Software Change Impact Analysis*. Los Alamitos, CA: IEEE-Computer Society Press.
- Bass, Len, Paul Clements, and Rick Kazman. 1998. *Software Architecture in Practice*. Reading, MA: Addison-Wesley.
- Beizer, Boris. 1990. *Software Testing Techniques*, 2d ed. New York: Van Nostrand Reinhold.
- . 1999. "Best and Worst Testing Practices: A Baker's Dozen." *Cutter IT Journal* 12(2):32-38.
- Beyer, Hugh, and Karen Holtzblatt. 1998. *Contextual Design: Defining Customer-Centered Systems*. San Francisco: Morgan Kaufmann Publishers, Inc.
- Boehm, Barry W. 1981. *Software Engineering Economics*. Englewood Cliffs, NJ: Prentice-Hall.
- . 1988. "A Spiral Model of Software Development and Enhancement," *IEEE Computer* 21(5):61-72.
- Boehm, Barry, et al. 1976. "Quantitative Evaluation of Software Quality," *Second IEEE International Conference on Software Engineering*. Los Alamitos, CA: IEEE Computer Society Press.
- Booch, Grady, James Rumbaugh, and Ivar Jacobson. 1999. *The Unified Modeling Language User Guide*. Reading, MA: Addison-Wesley.
- Brooks, Frederick P., Jr. 1987. "No Silver Bullet: Essence and Accidents of Software Engineering," *Computer* 20(4):10-19.
- Brown, Norm. 1996. "Industrial-Strength Management Strategies," *IEEE Software* 13(4):94-103.
- Caputo, Kim. 1998. *CMM Implementation Guide: Choreographing Software Process Improvement*. Reading, MA: Addison-Wesley.
- Carnegie Mellon University / Software Engineering Institute. 1995. *The Capability Maturity Model: Guidelines for Improving the Software Process*. Reading, MA: Addison-Wesley.
- Carr, Marvin J., Suresh L. Konda, Ira Monarch, F. Carol Ulrich, and Clay F. Walker. 1993. *Taxonomy-Based Risk Identification* (CMU/SEI-93-TR-6). Pittsburgh, PA: Software Engineering Institute, Carnegie Mellon University.
- Charette, Robert N. 1990. *Applications Strategies for Risk Analysis*. New York: McGraw-Hill.
- Christel, Michael G., and Kyo C. Kang. 1992. *Issues in Requirements Elicitation* (CMU/SEI-92-TR-12). Pittsburgh, PA: Software Engineering Institute, Carnegie Mellon University.
- Cockburn, Alistair. 1997a. "Goals and Use Cases." *J. Object-Oriented Programming* 10(5):35-40.
- . 1997b. "Using Goal-Based Use Cases." *J. Object-Oriented Programming* 10(6):56-62.
- Cohen, Lou. 1995. *Quality Function Deployment: How to Make QFD Work for You*. Reading, MA: Addison-Wesley.
- Collard, Ross. 1999. "Test Design." *Software Testing and Quality Engineering* 1(4):30-37.
- Constantine, Larry. 1998. "Prototyping from the User's Viewpoint." *Software Development* 6(11):51-57.
- Davis, Alan M. 1993. *Software Requirements: Objects, Functions, and States*. Englewood Cliffs, NJ: PTR Prentice Hall.
- . 1995. *201 Principles of Software Development*. New York: McGraw-Hill.
- DeGrace, Peter, and Leslie Hulet Stahl. 1993. *The Olduvai Imperative: CASE and the State of Software Engineering Practice*. Englewood Cliffs, NJ: Yourdon Press/Prentice-Hall.

- DeMarco, Tom. 1979. *Structured Analysis and System Specification*. Englewood Cliffs, NJ: Prentice-Hall.
- Dorfman, Merlin, and Richard H. Thayer. 1990. *Standards, Guidelines, and Examples on System and Software Requirements Engineering*. Los Alamitos, CA: IEEE Computer Society Press.
- Ebenau, Robert G., and Susan H. Strauss. 1994. *Software Inspection Process*. New York: McGraw-Hill.
- Fagan, Michael E. 1976. "Design and Code Inspections to Reduce Errors in Program Development." *IBM Systems Journal* 15(3):182-211.
- Freedman, Daniel P., and Gerald M. Weinberg. 1990. *Handbook of Walkthroughs, Inspections, and Technical Reviews: Evaluating Programs, Projects, and Products*, 3d ed. New York: Dorset House Publishing.
- Gause, Donald C., and Brian Lawrence. 1999. "User-Driven Design." *Software Testing & Quality Engineering* 1(1):22-28.
- Gause, Donald C., and Gerald M. Weinberg. 1989. *Exploring Requirements: Quality Before Design*. New York: Dorset House Publishing.
- Gilb, Tom. 1988. *Principles of Software Engineering Management*. Harlow, England: Addison Wesley Longman Ltd.
- Gilb, Tom, and Dorothy Graham. 1993. *Software Inspection*. Wokingham, England: Addison-Wesley.
- Glass, Robert L. 1992. *Building Quality Software*. Englewood Cliffs, NJ: Prentice-Hall.
- . 1999. "Inspections—Some Surprising Findings." *Communications of the ACM* 42(4):17-19.
- Gotel, O., and A. Finkelstein. 1994. "An Analysis of the Requirements Traceability Problem." In *Proceedings of the First International Conference on Requirements Engineering*, 91-104. Los Alamitos, CA: IEEE Computer Society Press.
- Grady, Robert B., and Tom Van Slack. 1994. "Key Lessons in Achieving Widespread Inspection Use." *IEEE Software* 11(4):46-57.
- Ham, Gary A. 1998. "Four Roads to Use Case Discovery: There Is a Use and a Case for Each One." *CrossTalk* 11(12): 17-19.
- Hohmann, Luke. 1997. "Managing Highly Usable Graphical User Interface Development Efforts." <http://members.aol.com/lhohmann/papers.htm>
- Hsia, Pei, David Kung, and Chris Sell. 1997. "Software Requirements and Acceptance Testing," in *Annals of Software Engineering*, Nancy R. Mead, ed. 3:291-317.
- Humphrey, Watts S. 1997. *Managing Technical People: Innovation, Teamwork, and the Software Process*. Reading, MA: Addison-Wesley.
- IEEE. 1992. IEEE Std 1061-1992: "IEEE Standard for a Software Quality Metrics Methodology," Los Alamitos, CA: IEEE Computer Society Press.
- . 1997. *IEEE Software Engineering Standards Collection*. Los Alamitos, CA: IEEE Computer Society Press.
- . 1998. IEEE Std 830-1998: "IEEE Recommended Practice for Software Requirements Specifications." Los Alamitos, CA: IEEE Computer Society Press.
- International Function Point Users Group. 1999. *Function Point Counting Practices Manual, Version 4.1*. Westerville, OH: International Function Point Users Group.
- Jackson, Michael. 1995. *Software Requirements & Specifications: A Lexicon of Practice, Principles, and Prejudices*. Harlow, England: Addison-Wesley.
- Jacobson, Ivar, Magnus Christerson, Patrik Jonsson, and Gunnar Övergaard. 1992. *Object-Oriented Software Engineering: A Use Case Driven Approach*. Harlow, England: Addison Wesley Longman Ltd.
- Jarke, Matthias. 1998. "Requirements Tracing." *Communications of the ACM* 41(12):32-36.
- Jones, Capers. 1994. *Assessment and Control of Software Risks*. Englewood Cliffs, NJ: PTR Prentice Hall.
- . 1996a. "Strategies for Managing Requirements Creep." *IEEE Computer* 29(7):92-94.
- . 1996b. *Applied Software Measurement*, 2d ed. New York: McGraw-Hill.
- Jones, David A., Donald M. York, John F. Nallon, and Joseph Simpson. 1995. "Factors Influencing Requirement Management Toolset Selection." *Proceedings of the Fifth Annual*

- Symposium of the National Council on Systems Engineering*, Volume II. Seattle, WA: International Council on Systems Engineering.
- Jung, Ho-Won. 1998. "Optimizing Value and Cost in Requirements Analysis." *IEEE Software* 15(4):74-78.
- Karlsson, Joachim, and Kevin Ryan. 1997. "A Cost-Value Approach for Prioritizing Requirements." *IEEE Software* 14(5):67-74.
- Keil, Mark, and Erran Carmel. 1995. "Customer-Developer Links in Software Development." *Communications of the ACM* 38(5):33-44.
- Kelly, John C., Joseph S. Sherif, and Jonathon Hops. 1992. "An Analysis of Defect Densities Found During Software Inspections." *Journal of Systems and Software* 17(2):111-117.
- Kosman, Robert J. 1997. "A Two-Step Methodology to Reduce Requirement Defects." In *Annals of Software Engineering*, Nancy R. Mead, ed. 3:477-494.
- Kovitz, Benjamin L. 1999. *Practical Software Requirements: A Manual of Content and Style*. Greenwich, CT: Manning Publications Co.
- Kruchten, Philippe. 1996. "A Rational Development Process" *CrossTalk* 9(7):11-16.
- Larman, Craig. 1998. "The Use Case Model: What Are the Processes?" *Java Report* 3(8):62-72.
- Lawrence, Brian. 1996. "Unresolved Ambiguity." *American Programmer* 9(5):17-22.
- . "Designers Must Do the Modeling." *IEEE Software* 15(2):31, 33.
- Leffingwell, Dean. 1997. "Calculating the Return on Investment from More Effective Requirements Management." *American Programmer* 10(4):13-16.
- Martin, Johnny, and W. T. Tsai. 1990. "N-fold Inspection: A Requirements Analysis Technique." *Communications of the ACM* 33(2):225-232.
- McCabe, Thomas J. 1982. *Structured Testing: A Software Testing Methodology Using the Cyclomatic Complexity Metric*. National Bureau of Standards Special Publication 500-99.
- McConnell, Steve. 1996. *Rapid Development: Taming Wild Software Schedules*. Redmond, WA: Microsoft Press.
- . 1998. *Software Project Survival Guide*. Redmond, WA: Microsoft Press.
- McGraw, Karen L., and Karan Harbison. 1997. *User-Centered Requirements: The Scenario-Based Engineering Process*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Musa, John, Anthony Iannino, and Kazuhira Okumoto. 1987. *Software Reliability: Measurement, Prediction, Application*. New York: McGraw-Hill.
- Nelsen, E. Dale. 1990. "System Engineering and Requirement Allocation." In Thayer, Richard H., and Merlin Dorfman, *System and Software Requirements Engineering*. Los Alamitos, CA: IEEE Computer Society Press.
- Pardee, William J. 1996. *To Satisfy & Delight Your Customer: How to Manage for Customer Value*. New York: Dorset House Publishing.
- Porter, Adam A., Lawrence G. Votta, Jr., and Victor R. Basili. 1995. "Comparing Detection Methods for Software Requirements Inspections: A Replicated Experiment." *IEEE Transactions on Software Engineering* 21(6):563-575.
- Poston, Robert M. 1996. *Automating Specification-Based Software Testing*. Los Alamitos, CA: IEEE Computer Society Press.
- Putnam, Lawrence H., and Ware Myers. 1997. *Industrial Strength Software: Effective Management Using Measurement*. Los Alamitos, CA: IEEE Computer Society Press.
- Ramesh, Bala, Curtis Stubbs, Timothy Powers, and Michael Edwards. 1995. "Lessons Learned from Implementing Requirements Traceability." *CrossTalk* 8(4):11-15, 20.
- Ramesh, Balasubramaniam. 1998. "Factors Influencing Requirements Traceability Practice." *Communications of the ACM* 41(12):37-44.
- Regnell, Björn, Kristofer Kimbler, and Anders Wesslén. 1995. "Improving the Use Case Driven Approach to Requirements Engineering." *Proceedings of the Second IEEE International Symposium on Requirements Engineering*, pp. 40-47. Los Alamitos, CA: IEEE Computer Society Press.
- Rettig, Marc. 1994. "Prototyping for Tiny Fingers." *Communications of the ACM* 37(4):21-27.
- Robertson, James and Suzanne Robertson. 1994. *Complete Systems Analysis: The Workbook, The Textbook, The Answers*. New York: Dorset House Publishing.
- . 1997. "Requirements: Made to Measure," *American Programmer* 10(8):27-32.

- Robertson, Suzanne, and James Robertson. 1999. *Mastering the Requirements Process*. Harlow, England: Addison-Wesley.
- Rubin, Howard. 1999. "The 1999 Worldwide Benchmark Report: Software Engineering and IT Findings for 1998 and 1999, Part II." *IT Metrics Strategies* 5(3): 1-13.
- Rumbaugh, James. 1994. "Getting Started: Using Use Cases to Capture Requirements." *J. Object-Oriented Programming* 7(5):1-12, 23.
- Schneider, G. Michael, Johnny Martin, and W. T. Tsai. 1992. "An Experimental Study of Fault Detection in User Requirements." *ACM Transactions on Software Engineering and Methodology* 1(2):188-204.
- Smith, Craig. 1998. "Using a Quality Model Framework to Strengthen the Requirements Bridge." *Proceedings of the Third International Conference on Requirements Engineering*, pp. 118-125. Los Alamitos, CA: IEEE Computer Society Press.
- Sommerville, Ian, and Pete Sawyer. 1997. *Requirements Engineering: A Good Practice Guide*. Chichester, England: John Wiley & Sons.
- Song, Xiping, Bill Hasling, Gaurav Mangla, and Bill Sherman. 1998. "Lessons Learned from Building a Web-Based Requirements Tracing System." *Proceedings of the Third International Conference on Requirements Engineering*, pp. 41-50. Los Alamitos, CA: IEEE Computer Society Press.
- Sorensen, Reed. 1999. "CCB—An Acronym for 'Chocolate Chip Brownies'? A Tutorial on Control Boards," *CrossTalk* 12(3):3-6.
- Thayer, Richard H., and Merlin Dorfman, eds. 1997. *Software Requirements Engineering*, 2d ed. Los Alamitos, CA: IEEE Computer Society Press.
- The Standish Group. 1995. *The CHAOS Report*. Dennis, MA: The Standish Group International, Inc.
- Thompson, Bruce, and Karl Wiegers. 1995. "Creative Client/Server for Evolving Enterprises." *Software Development* 3(2):34-44.
- Voas, Jeffrey. 1999. "Protecting Against What? The Achilles Heel of Information Assurance." *IEEE Software* 16(1):28-29.
- Wallace, Dolores R., and Laura M. Ippolito. 1997. "Verifying and Validating Software Requirements Specifications." In Thayer, Richard H., and Merlin Dorfman, eds., *Software Requirements Engineering*, 2d ed., pp. 389-404. Los Alamitos, CA: IEEE Computer Society Press.
- Weinberg, Gerald M. 1995. "Just Say No! Improving the Requirements Process." *American Programmer* 8(10):19-23.
- Whitmire, Scott A. 1995. "An Introduction to 3D Function Points." *Software Development* 3(4):43-53.
- . 1997. *Object-Oriented Design Measurement*. New York: John Wiley & Sons.
- Wiegers, Karl E. 1996a. *Creating a Software Engineering Culture*. New York: Dorset House Publishing.
- . 1996b. "Reducing Maintenance with Design Abstraction." *Software Development* 4(4):47-50.
- . 1998. "The Seven Deadly Sins of Software Reviews." *Software Development* 6(3):44-47.
- Wieringa, R. J. 1996. *Requirements Engineering: Frameworks for Understanding*. Chichester, England: John Wiley & Sons.
- Williams, Ray C., Julie A. Walker, and Audrey J. Dorofee. 1997. "Putting Risk Management into Practice." *IEEE Software* 14(3):75-82.
- Wilson, Peter B. 1995. "Testable Requirements—An Alternative Sizing Measure." *The Journal of the Quality Assurance Institute* 9(4):3-11.
- Wood, David P., and Kyo C. Kang. 1992. *A Classification and Bibliography of Software Prototyping* (CMU/SEI-92-TR-13). Pittsburgh, PA: Software Engineering Institute, Carnegie Mellon University.
- Wood, Jane, and Denise Silver. 1995. *Joint Application Development*, 2d ed. New York: John Wiley & Sons.
- Zultner, Richard E. 1993. "TQM for Technical Teams." *Communications of the ACM* 36(10):79-91.