

## 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.
- 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.
- 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.
- 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.
- 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.