

Bibliography

- [1] CASE, *The Potentials and Pitfalls*. QED Information Sciences, Inc., Wellesley, Mass., 1989.
- [2] Ruessell J. Abbot. Program Design by Informal English Descriptions. *Communications of the ACM*, 26(11):882–894, November 1983.
- [3] John S. Anderson and Brian Durney. Using Scenarios in Deficiency-driven Requirements Engineering. In *IEEE Intl. Symposium On Requirements Engineering*, pages 134–41, San Diego, CA, January 1993.
- [4] A.I. Antón. Goal-Based Requirements Analysis. In *International Conference on Requirements Engineering (ICRE '96)*, pages 136–144, Colorado Springs, Colorado, USA, April 1996.
- [5] A.I. Antón, T.A. Gale, W. Michael McCracken, and J.J. Shilling. Object Based Requirements Modelling for Process Continuity. In *Proceeding of the Twenty-Sixth Hawaii International Conference on System Sciences*, volume 3, pages 191–202, Wailea, HI, USA, January 1993.
- [6] A.I. Antón, E. Liang, and R.A. Rodenstein. A Web-Based Requirements Analysis Tool. In *Fifth Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises (WET-ICE '96)*, pages 238–243, Stanford, California, USA, June 1996.
- [7] A.I. Antón, W. Michael McCracken, and Colin Potts. Goal Decomposition and Scenario Analysis in Business Process Reengineering. In *Advanced Information System Engineering: 6th International Conference, CAiSE '94 Proceedings*, pages 94–104, Utrecht, The Netherlands, June 1994.
- [8] Kevin Benner, Martin S. Feather, W. Lewis Johnson, and Lorna Zorman. Utilizing Scenarios in the Software Development Process. In *IFIP WG 8.1 Working Conference on Information Systems Development Process*, December 1992.
- [9] B.W. Boehm. *Software Engineering Economics*. Prentice Hall, 1981.
- [10] Grady Booch. *Object Oriented Design with Applications*. Benjamin Cummings, Redwood City, California, 1991.
- [11] George P. Burdell. *Disguise Her in White and Gold*. Buzz University Press, 50 Yard Line, Grant Field, 1908.

- [12] John A. Byrne. Strategic Planning. *Business Week*, pages 46–52, August 1996.
- [13] Stuart K. Card, Thomas P. Moran, and Allen Newell. *The Psychology of Human-Computer Interaction*. Lawrence Erlbaum Associates, Inc., Hillsdale, New Jersey, 1983.
- [14] J.M. Carroll and M. Rosson. Getting Around the Task-Artifact Cycle: How to Make Claims and Design by Scenario. *ACM Transactions on Information Systems*, 10(2):181–212, April 1992.
- [15] P.B. Checkland and J. Scholes. *Soft Systems Methodology in Action*. Wiley, 1990.
- [16] Minder Chen and Jay F. Nunamaker. The Architecture and Design of a Collaborative Environment for Systems Definition. *DATABASE*, Winter/Spring 1991.
- [17] Lawrence Chung, Brian Nixon, and Eric Yu. Using Non-Functional Requirements to Systematically Support Change. In *Proceedings 2nd International Symposium on Requirements Engineering (RE'95)*, pages 132–139, York, UK, March 1995.
- [18] P. Coad and E. Yourdon. *Object Oriented Analysis*. Yourdon Press, 1991.
- [19] D Coleman, P. Arnold, S. Bodoff, C. Dollin, H. Gilchrist, F. Hayes, and P. Jeremaes. *Object-Oriented Development: The Fusion Method*. Prentice Hall, 1994.
- [20] E.J. Conklin and K.C. Burgess Yakemovic. Report on a Development Project Use of an Issue-Based Information System. In *Proceedings of the Conference on Computer-Supported Cooperative Work*, Los Angeles, California, USA, October 1990.
- [21] Bill Curtis, Herb Krasner, and Neil Iscoe. A Field Study of the Software Design Process for Large Systems. *Communications of the ACM*, 31(11), November 1988.
- [22] R. Daniels, A. Dennis, G. Hayes, J. Nunamaker Jr., and J. Valacich. Enterprise Analyzer: Electronic Support for Group Requirements Elicitation. Technical report, University of Arizona, 1991.
- [23] A. Dardenne, S. Fickas, and A. van Lamsweerde. Goal-directed Concept Acquisition in Requirements Elicitation. In *Proceedings 6th Intl. Workshop on Software Specification and Design*, pages 14–21, Como, Italy, October 1991.
- [24] A. Dardenne, A. van Lamsweerde, and S. Fickas. Goal-directed Requirements Acquisition. *Science of Computer Programming*, 20(1-2):3–50, April 1993.
- [25] Anne Dardenne. On the Use of Scenarios in Requirements Acquisition. Technical Report CIS-TR-93-17, University of Oregon, Eugene, OR, 1993.
- [26] Alan M. Davis. *Software Requirements: Analysis and Specification*. Prentice-Hall, 1992.
- [27] Alan M. Davis. *Software Requirements: Objects, Functions, & States*. Prentice-Hall, 1993.

- [28] S.M. Easterbrook. *Elicitation of Requirements from Multiple Perspectives*. PhD thesis, University of London, London, UK, 1991.
- [29] Steve Easterbrook and Bashar Nuseibeh. Managing Inconsistencies in an Evolving Specification. In *Proceedings 2nd International Symposium on Requirements Engineering (RE'95)*, pages 48–55, York, UK, March 1995.
- [30] Kurt D. Fenstermacher. Case-Based Teaching of Cardiac Auscultation. <http://www.cs.uchicago.edu/~fensterm/pubs/SpringSymp96/AI-med-sub.html>, February 1996.
- [31] A. Finkelstein and Hugo Fuks. Multi-Party Specification. In *Proceedings of the 5th Intl. Workshop on Software Specification and Design*, pages 19–20, Pittsburgh, PA, May 1989.
- [32] A. Finkelstein, J. Kramer, and M. Goedicke. Viewpoint Oriented Software Development: Methods and Viewpoints in Requirements Engineering. In *Algebraic Methods II: Theory, Tools & Applications*, pages 29–54, Mierlo, Netherlands, September 1989.
- [33] A. Finkelstein and C. Potts. Structured Common Sense: The Elicitation and Formalization of System Requirements. In *Software Engineering 86*, pages 236–50, September 1986.
- [34] R.K. Fjelstad and W.T. Hamlen. Application Program Maintenance Study: Report to Our Respondents. In G. Parikh and N. Zvegintozov, editors, *Tutorial on Software Maintenance*. IEEE Computer Society, Philadelphia, PA, 1983.
- [35] Joseph A. Goguen and Charlotte Linde. Techniques for Requirements Elicitation. In *IEEE Intl. Symposium On Requirements Engineering*, pages 152–164, San Diego, CA, January 1993.
- [36] Orlena Gotel and Anthony Finkelstein. Contribution Structures. In *Proceedings 2nd International Symposium on Requirements Engineering (RE'95)*, pages 100–107, York, UK, March 1995.
- [37] Orlena C.Z. Gotel and Anthony C.W. Finkelstein. An Analysis of the Requirements Traceability Problem. In *International Conference on Requirements Engineering (ICRE '94)*, pages 94–101, Colorado Springs, Colorado, USA, April 1994.
- [38] S. Green. Goal-Driven Approaches to Requirements Engineering. Technical Report DoC TR-93-42 1994, Imperial College of Science, Technology and Medicine, Department of Computing Technical Report, London, UK, 1994.
- [39] J.V. Guttag, J.J. Horning, and J.M. Wing. The Larch Family of Specification Languages. *IEEE Software*, 2(5):24–26, September 1985.
- [40] Peter Hall. *Great Planning Disasters*. University of California Press, Berkeley, California, 1980.

- [41] M. Hammer and J. Champy. *Reengineering the Corporation: A Manifesto for Business Revolution*. HarperCollins Books, 1993.
- [42] Michael Hammer. Reengineering Work: Don't Automate, Obliterate. *Harvard Business Review*, 68:104–112, jul-aug 1990.
- [43] Glenda Hayes. *Group Matrix tool: A Collaborative Modelling Tool*. PhD thesis, University of Arizona, Tucson, AZ, 1991.
- [44] Constance Heitmeyer, Bruce Labaw, and Daniel Kiskis. Consistency Checking of SCR-Style Requirements Specifications. In *Proceedings 2nd International Symposium on Requirements Engineering (RE'95)*, pages 56–63, York, UK, March 1995.
- [45] P. Hsia, J. Samuel, J. Gao, D. Kung, Y. Toyoshima, and C. Chen. Formal Approach to Scenario Analysis. *IEEE Software*, 11(2):33–41, March 1994.
- [46] Michael Jackson. Problems, Methods and Specialisation. *Software Engineering Journal*, 9(6):249–55, November 1994.
- [47] Michael Jackson. *Software Requirement and Specifications*. Addison-Wesley, 1995.
- [48] I. Jacobson. *Object-Oriented Software Engineering: A Use-Case Driven Approach*. Addison-Wesley, 1992.
- [49] Capers Jones. Software Estimating Rules of Thumb. *IEEE Computer*, 29(3):116–188, March 1996.
- [50] C.B. Jones. *Systematic Software Development Using VDM*. Prentice Hall, 1990.
- [51] J. Kramer, K. Ng, C. Potts, and K. Whitehead. Tool Support for Requirements Analysis. *Software Engineering Journal*, 3(3):86–96, May 1988.
- [52] Eiji Kuwana and James D. Herbsleb. Representing Knowledge in Requirements Engineering: An Empirical Study of what Software Engineers Need to Know. In *IEEE Intl. Symposium On Requirements Engineering (RE '93)*, pages 273–276, San Diego, CA, January 1993.
- [53] J.C.S.P. Leite and P.A. Freeman. Requirements Validation Through Viewpoint Resolution. *IEEE Transactions on Software Engineering*, 17(12):1253–69, December 1991.
- [54] Ted Lewis. Software Architectures: Divine Plan or Digital Darwinsim. *IEEE Computer*, 29(8):13–15, August 1996.
- [55] Mitch Lubars, Colin Potts, and Charles Richter. Developing Initial OOA Models. In *Proc. 15th Int. Conf. Software Eng. ACM/IEEE Comp. Soc. Press*, 1993.
- [56] Mitch Lubars, Colin Potts, and Charles Richter. A Review of the State of the Practice in Requirements Modeling. In *IEEE Intl. Symposium On Requirements Engineering (RE '93)*, pages 2–14, San Diego, CA, January 1993.

- [57] Robyn R. Lutz. Analyzing Software Requirements Errors in Safety-Critical, Embedded Systems. In *IEEE Intl. Symposium On Requirements Engineering*, pages 126–33, San Diego, CA, January 1993.
- [58] N.A.M. Maiden and A.G. Sutcliffe. A Computational Mechanism For Parallel Problem Decomposition During Requirements Engineering. In *Proceedings of the 8th International Workshop on Software Specification and Design*, pages 159–63, Schloss Velen, Germany, March 1996.
- [59] B. Nuseibeh, J. Kramer, and A. Finkelstein. A Framework for Expressing the Relationships Between Multiple Views in Requirements Specification. *IEEE Transactions on Software Engineering*, 20(10):760–73, October 1994.
- [60] C. Potts. Using Schematic Scenarios to Understand User Needs. In *Symposium on Designing Interactive Systems: Processes, Practices, Methods, and Techniques*, pages 247–256, University of Michigan, Ann Arbor, Michigan, USA, August 1995.
- [61] C. Potts and K. Takahashi. An Active Hypertext Model for System Requirements. In *Proceedings of the Seventh International Workshop on Software Specification and Design*, pages 62–68, Redondo Beach, California, December 1993.
- [62] Colin Potts. Software Engineering Research Revisited. *IEEE Software*, 10(5):19–28, September 1993.
- [63] Colin Potts. Supporting Software Design: Integrating Design Methods and Design Rationale. In T.P. Moran and J.M. Carroll, editors, *Design Rationale: Concepts, Techniques and Use*. Lawrence Erlbaum Associates, 1994.
- [64] Colin Potts, Kenji Takahashi, and Annie I. Antón. Inquiry-Based Requirements Analysis. *IEEE Software*, 11(2):21–32, March 1994.
- [65] William N. Robinson. Negotiation Behavior During Requirement Specification. In *Proceedings of the 12th International Conference on Software Engineering*, pages 268–76, Nice, France, March 1990.
- [66] W.N. Robinson and S. Volkov. Conflict-Oriented Requirements Restructuring. Technical Report Working Paper CIS-96-15, Georgia State University, Atlanta, Georgia, September 1996.
- [67] W.N. Robinson and S. Volkov. A Meta-Model for Restructuring Stakeholder Requirements (to appear). In *Proceedings of the 19th International Conference on Software Engineering*, Boston, Massachusetts, USA, May 1997.
- [68] Colin Robson. *Experiment Design and Statistics in Psychology*. Penguin Books Ltd., Harmondsworth, Middlesex, England, 1973.
- [69] Daniela Rosca, Sol Greenspan, Mark Febowitz, and Chris Wild. A Decision Making Methodology in Support of the Business Rules Lifecycle. In *Proceedings 3rd International Symposium on Requirements Engineering (RE'97)*, pages 236–246, Annapolis, Maryland, USA, January 1997.

- [70] Douglas T. Ross and Kenneth E. Schoman Jr. Structured Analysis for Requirements Definition. *IEEE Transactions on Software Engineering*, SE-3(1), January 1977.
- [71] D.T. Ross. Structured Analysis (SA): A Language for Communicating Ideas. *IEEE Transactions on Software Engineering*, SE-3(1), January 1977.
- [72] William B. Rouse. *Best Laid Plans*. PTR Prentice Hall, Englewood Cliffs, New Jersey, 1994.
- [73] Kenneth S. Rubin and Adele Goldberg. Object Behavior Analysis. *Communications of the ACM*, 35(9):48–62, September 1992.
- [74] James Rumbaugh. The Evolution of Bugs and Systems. *JOOP*, Nov-Dec 1991.
- [75] James Rumbaugh, Michael Blaha, William Premerlani, Frederick Eddy, and William Lorensen. *Object-Oriented Modeling and Design*. Prentice Hall, New York, NY, 1991.
- [76] David L. Schnitt. Reengineering the Organization Using Information Technology. *Journal of Systems Management*, 44:14–20, January 1993.
- [77] Sidney Siegel. *Nonparametric Statistics for the Behavioral Sciences*. McGraw-Hill Kogakusha Ltd., 1973.
- [78] H.A. Smith and J.D. McKeen. Reengineering the Corporation: Where Does I.S. Fit In? In *Proceedings of the Twenty-Sixth Hawaii International Conference on System Sciences.*, January 1993.
- [79] J.M. Spivey. *The Z Notation: A Reference Manual*. Prentice Hall, New York, 2nd Edition, 1992.
- [80] J. Stage. The Use of Descriptions in Analysis and Design of Information Systems. In R.K. Stamper, P. Kerola, R. Lee, and K. Lyytinen, editors, *Collaborative Work, Social Communications and Information Systems*, pages 237–260. Elsevier Science Publishers B.V., 1991.
- [81] A.G. Sutcliffe and N.A.M. Maiden. Bridging the Requirements Gap: Policies, Goals and Domains. In *Proceedings of the Seventh International Workshop on Software Specification and Design*, Redondo Beach, California, December 1993.
- [82] A.G. Sutcliffe and N.A.M. Maiden. Domain Modeling for Reuse. In *Proceedings of the Third International Conference on Software Reuse: Advances in Software Reusability*, pages 169–77, Rio de Janeiro, Brazil, November 1994.
- [83] K. Takahashi and Y. Yamamoto. An Analysis of Traceability in Requirements Documents. *IEICE Transactions on Information Systems*, E78-D(4):394–402, 1995.
- [84] Kenji Takahashi. *Hypermedia Support for Requirements Analysis*. PhD thesis, Japan, 1997.

- [85] Kenji Takahashi and Colin Potts. Tuiqiao: A Hypertool for Requirements Analysis. Technical Report GIT-CC-94107, Georgia Institute of Technology, Atlanta, Georgia, 1994.
- [86] Kenji Takahashi, Colin Potts, Vinay Kumar, Kenji Ota, and Jeffrey D. Smith. Hypermedia Support for Collaboration in Requirements Analysis. In *International Conference on Requirements Engineering (ICRE '96)*, pages 31–40, Colorado Springs, Colorado, USA, April 1996.
- [87] A. van Lamsweerde, R. Darimont, and P. Massonet. Goal-Directed Elaboration of Requirements for a Meeting Scheduler: Problems and Lessons Learnt. In *Proceedings 2nd International Symposium on Requirements Engineering (RE'95)*, pages 194–203, York, UK, March 1995.
- [88] Eric Yu. Modeling Organizations for Information Systems Requirements Engineering. In *IEEE Intl. Symposium On Requirements Engineering*, pages 34–41, San Diego, CA, January 1993.
- [89] Eric S.K. Yu. Towards Modeling and Reasoning Support for Early Phase Requirements Engineering. In *Proceedings 3rd International Symposium on Requirements Engineering (RE'97)*, pages 226–235, Annapolis, Maryland, USA, January 1997.
- [90] E.S.K. Yu and J. Mylopoulos. Using Goals, Rules, and Methods to Support Reasoning in Business Process Reengineering. In *Proceedings of the Twenty-Seventh Hawaii International Conference on System Sciences. Vol.IV: Information Systems: Collaboration Technology Organizational Systems and Technology*, pages 234–43, Wailea, HI, USA, January 1994.

