

REFERENCES

1. Abernathy A. (2000), 'Technology Transfer Issues for Formal Methods of Software Specification'.
2. Amari S. (1977), 'Neural Theory of Association and Concept - Formation', *Biological Cybernetics*, Vol. 26, pp. 175-185.
3. Arthur J. and Gröner M. (1999), 'An Operational Model Supporting the Generation of Requirements that Capture Customer Intent', *Annual Pacific Northwest Software Quality Conference*, Portland, OR.
4. Basili V. and Weiss D. (1981), 'Evaluation of a Software Requirements Document by Analysis of Change Data', *IEEE Conference on Software Engineering*, pp. 314-23.
5. Beck K. (1999), 'Extreme Programming Explained: Embrace Change', Addison-Wesley.
6. Bergman B. and Klefsjö B. (2003), 'Quality from Customer Needs to Customer Satisfaction'.
7. Biacino L. and Gerla G. (2002), 'Fuzzy Logic, Continuity and Effectiveness'. *Archive for Mathematical Logic*, Vol. 41, No. 7, pp. 643-667.
8. Boehm B. (1998), 'Using the Win-Win Spiral Model: A Case Study', *IEEE Computer*.
9. Boehm B. et al. (1997), 'Software Requirements Negotiation and Renegotiation Aids', *Proceedings of the 17th International Conference on Software Engineering*.
10. Boehm B.W. (1981), 'Software Engineering Economics', Prentice-Hall.
11. Brackett J. (1990), 'Software Requirements', *SEI Curriculum Module SEI-CM-19-1.2*.

12. Bubenko J., Rolland C., Loucopoulos P. and DeAntonellis V. (1994), 'Facilitating fuzzy to formal requirements modeling', In Proceedings of the IEEE First International Conference on Requirements Engineering (ICRE94).
13. Christel M. and Kang K. (1992), 'Issues in Requirements Elicitation', Technical Report CMU/SEI-92-TR- ESC-TR-92-012.
14. Cox Earl (1994), 'The fuzzy systems handbook: a practitioner's guide to building, using, maintaining fuzzy systems', Boston: AP Professional, ISBN 0-12-194270-8.
15. Daryl R. Conner (1998), 'Leading at the Edge of Chaos', Wiley.
16. Davis A. (1990), 'Software Requirements: Analysis and Specification', Prentice-Hall, Englewood Cliffs, NJ.
17. Davis A. (1993), 'Status Report: Requirements Engineering', IEEE Software.
18. Davis A. (1995), 'Software Requirements: Objects, Functions, and States', Prentice-Hall, Standish Group, CHAOS Chronicles.
19. Davis A., Fairley R. and Yourdon E. (1999), 'Software Product Planning', Omni-Vista White Paper 99-002.
20. Dijkstra, Dahl and Hoare (1972), 'Structured Programming', Academic Press.
21. Elkan C. (1994), 'The Paradoxical Success of Fuzzy Logic', IEEE Expert, Vol. 9, No. 4, pp. 3-8.
22. Finkelstein A. (1993), 'Requirements Engineering: an overview', 2nd Asia-Pacific Software Engineering Conference (APSEC'93), Tokyo, Japan.
23. Frederick P. Brooks Jr. (1987), 'No silver bullet: Essence and accidents of software engineering', Computer, Vol. 15, No. 1, pp. 10-18.
24. Gause D. and Weinberg G. (1989), 'Exploring Requirements: Quality Before Design', Dorset House Publishing, New York, First edition.
25. Gerla and Giangiacomo (2006), 'Effectiveness and Multivalued Logics', Journal of Symbolic Logic, Vol. 71, No. 1, pp. 137-162.

26. Goguen J. and Linde C. (1993), 'Techniques for Requirements Elicitation', International Symposium on Requirements Engineering.
27. Gomma H. and Scott D. (1981), 'Prototyping as a tool in the specification of user requirements', In Fifth International Conference on Software Engineering.
28. Gotel O. and Finkelstein A. (1994), 'An analysis of the requirements traceability problem', In Proceedings of the First IEEE International Conference on Requirements Engineering (ICRE94).
29. Greenspan S., Mylopoulos J. and Borgida A. (1994), 'On formal requirements modeling languages: RML revisited', In Proceedings of IEEE International Conference on Software Engineering (ICSE16).
30. Hájek and Petr (1995), 'Fuzzy logic and arithmetical hierarchy', Fuzzy Sets and Systems, Vol. 3, No. 8, pp. 359-363.
31. Hájek and Petr (1998), 'Metamathematics of fuzzy logic', Dordrecht: Kluwer, ISBN 0792352386.
32. Halpern and Joseph Y. (2003), 'Reasoning about uncertainty', Cambridge, Mass: MIT Press.
33. Hanna M. (1995), 'Farewell to Waterfall', Software.
34. Herlea D. (2000), 'Challenges in Requirements Engineering', Computer Science Technical Report, University of Calgary.
35. Höppner Frank, Klawonn F., Kruse R. and Runkler T. (1999), 'Fuzzy cluster analysis: methods for classification, data analysis and image recognition', New York: John Wiley, ISBN 0-471-98864-2.
36. Ibrahim and Ahmad M. (1997), 'Introduction to Applied Fuzzy Electronics', Englewood Cliffs, N.J: Prentice Hall, ISBN 0-13-206400-6.
37. Jackson M. (1995), 'Software Requirements and Specifications', Addison Wesley.
38. Jalote P. (1999), 'An Integrated Approach to Software Engineering', Narosa Publications.
39. Jarke M. and Pohl K. (2001), 'Requirements Engineering in 2001: (Virtually) Managing a Changing Reality', Software Engineering.

40. John Yen, Xiaoqing Frank Liu and Swee Hor Teh (1994), 'A fuzzy logic-based methodology for the acquisition and analysis of imprecise requirements', *The International Journal of Concurrent Engineering: Research and Application (CERA)*, Vol. 2, No. 4, pp. 265-277.
41. Karlsson (1998), 'A Systematic Approach for Prioritizing Software Requirements', *Linköping Studies in Science and Technology*, Doctoral Dissertation No. 526, Triva TryckAB.
42. Klir George J. and Folger Tina A. (1988), 'Fuzzy sets, uncertainty and information', Englewood Cliffs, N.J: Prentice Hall, ISBN 0-13-345984-5.
43. Klir George J. and Yuan Bo (1995), 'Fuzzy sets and fuzzy logic: theory and applications', Upper Saddle River, NJ: Prentice Hall PTR, ISBN 0-13-101171-5.
44. Kosko Bart (1993), 'Fuzzy thinking: the new science of fuzzy logic', New York: Hyperion. ISBN 0-7868-8021-X.
45. Kotonya G. and Sommerville I. (1998), 'Requirements Engineering: Processes and Techniques', John Wiley & Sons.
46. Krasner H. (1989), 'Requirements Dynamics in Large Software Projects: A Perspective on New Directions in the Software Engineering Process', 11th World Computer Congress (IFIP89), Elsevier, New York.
47. Lauesen S. (2002), 'Software Requirements: Styles and Techniques', Addison Wesley.
48. Lawrence B. (1996), 'Unresolved Ambiguity', *American Programmer*, Vol. 9, No. 5.
49. Leffingwell D. and Widrig D. (2000), 'Managing Software Requirements', Addison-Wesley.
50. Leite J. (1998), 'Scenario Evolution', *Dagstuhl-Seminar-Report*, Alemanha.
51. Levene A. and Mullery G. (1982), 'An investigation of requirement specification languages: Theory and practice', *IEEE Computer*.

52. Luqi (1993), 'How to use prototyping for requirements engineering', In Proceedings of the IEEE International Symposium on Requirements Engineering.
53. Lutz R.R. (1993), 'Analyzing Software Requirements Errors in Safety-Critical, Embedded Systems', Proceedings RE'93 - First International Symposium on Requirements Engineering, San Diego, IEEE, pp. 126-133.
54. Macaulay L. (1996), 'Requirements Engineering', Springer.
55. Maiden N., Minocha S., Manning K. and Ryan M. (1998), 'CREWSSAVRE: Systematic scenario generation and use', In Proceedings of the IEEE Third International Conference on Requirements Engineering (ICRE98).
56. Maude T. (1991), 'Rapid Prototyping: The Management of Software Risk', Pitman.
57. McDermid J. and Rook P. (1993), 'Software Development Process Models', Software Engineer's Reference Book, CRC Press.
58. McGraw K. and Harbison K. (1997), 'User-Centered Requirements: The Scenario-Based Engineering Process', Lawrence Erlbaum Associates.
59. Montagna F. (2001), 'Three complexity problems in quantified fuzzy logic', *Studia Logica*, Vol. 68, No. 1, pp. 143-152.
60. Mundici Daniele, Cignoli Roberto, D'Ottaviano and Itala M.L. (1999), 'Algebraic foundations of many-valued reasoning', Dordrecht: Kluwer Academic.
61. Neill C. and Laplante P. (2003), 'Requirements Engineering: The State of the Practice', IEEE Software.
62. Novák and Vilém (1999), 'Mathematical principles of fuzzy logic', Dordrecht: Kluwer Academic.
63. Nuseibeh B. and Easterbrook S. (2000), 'Requirements Engineering: a roadmap', ACM Press.
64. Passino Kevin M., Yurkovich Stephen (1998), 'Fuzzy control', Boston: Addison-Wesley.

65. Philippe Kruchten (1999), 'The Rational Unified Process', Addison Wesley.
66. Potts C. (1991), 'Seven (plus or minus two) challenges for requirements research', In 6th International Workshop on Software Specification and Design, IEEE Computer Society Press.
67. Potts C., Takahashi K. and Anton A. (1994), 'Inquiry-based Requirements Analysis', IEEE Software.
68. Pressman R. (2001), 'Software Engineering: A Practitioner's Approach', McGraw Hill.
69. Pulikesi M. (2005), 'Air quality monitoring in Chennai in the summer of 2005', J. Hazardous Materials.
70. Pulikesi M. (2006), 'Surface ozone measurements at urban coastal site Chennai, in India', J. Hazardous Materials.
71. Robson C. (1997), 'Real World Research', Blackwell.
72. Rockstrom A. and Saracco R. (1982), 'SDL-CCITT specification and description language', IEEE Transactions on Communications.
73. Ross D.T. and Schoman K.E. (1977), 'Structured Analysis for Requirements Definition', IEEE Transactions on Software Engineering, Vol. 3, No. 1, pp. 6-15.
74. Royce W. (1970), 'Managing the Development of Large Software Systems: Concepts and Techniques', Proceedings of the Western Electronic Show and Convention (WesCon), Los Angeles, pp. 1-9 (Reprinted in the Proceedings of 9th International Conference on Software Engineering, March 1987, Monterey CA, pp. 328-338).
75. Saaty T.L. (1980), 'The Analytic Hierarchy Process', McGraw-Hill.
76. Sawyer P. and Sommerville I. (1997), 'Viewpoints: principles, problems and a practical approach to requirements engineering', Annals of Software Engineering, Special issue on Software Requirements Engineering.
77. Schach S. (1996), 'Classical and Object-Oriented Software Engineering', McGraw-Hill.

78. Siddiqi J., Morrey I., Roast C. and Ozcan M. (1997), 'Towards quality requirements via animated formal specifications', *Annals of Software Engineering*.
79. Sidky A., Sud R., Bhatia S. and Arthur J. (2002), 'Problem Identification and Decomposition within the Requirements Generation Process', Technical Report, Virginia Tech, <http://eprints.cs.vt.edu:8000/archive/00000645/>, July 2002.
80. Sommerville I., Sawyer P. (1997), 'Requirements Engineering - A Good Practice Guide, John Wiley & Sons Ltd.
81. Sommerville I., Sawyer P. and Viller S. (1998), 'Viewpoints for requirements elicitation: A practical approach', In *Proceedings of the IEEE 3rd International Conference on Requirements Engineering*.
82. Sutcliffe A. and Minocha S. (1998), 'Scenario-based analysis on nonfunctional requirements', In *Proceedings of the Fourth International Workshop on Requirements Engineering: Foundations of Software Quality (REFSQ'98)*.
83. Thayer R. (1997), 'Software Requirements Engineering', IEEE Computer Society.
84. The Standish Group, 'Software Chaos', <http://www.standishgroup.codchaos.html>
85. Von Altrock and Constantin (1995), 'Fuzzy logic and NeuroFuzzy applications explained', Upper Saddle River, NJ: Prentice Hall PTR. ISBN 0-13-368465-2.
86. Weidenhaupt K., Paul K., Jarke M. and Haumer P.L. (1998), 'Scenarios in system development: Current practice', *IEEE Software*.
87. Widmaier A.C.M. (2000), *International Conference on Software Engineering. Producing More Reliable Software: Mature Software Engineering Process versus State-O-The-Art Technology*.
88. Wiedermann J. (2004), 'Characterizing the super-Turing computing power and efficiency of classical fuzzy Turing machines', *Theoretical Computer Science*, Vol. 317, pp. 61-69.
89. Wiegers K. (2001), 'Software Requirements', Microsoft Press.

90. Wiegers K. (2004), 'Software Requirements', International Symposium on Software Engineering.
91. Yager Ronald R. and Filev Dimitar P. (1994), 'Essentials of fuzzy modeling and control', New York: Wiley, ISBN 0-471-01761-2.
92. Yeh R., Zave P., Conn A. and Cole G. (1984), 'Software requirements: New directions and perspectives', Handbook of Software Engineering.
93. Zadeh L.A. (1965), 'Fuzzy sets', Information and Control, Vol. 8, No. 3, pp. 338-353.
94. Zadeh L.A. (1968), 'Fuzzy algorithms', Information and Control, Vol. 12, No. 2, pp. 94-102.
95. Zadeh L.A. (1986), 'Test-score semantics as a basis for a computational approach to the representation of meaning', Literacy Linguistic Computing, Vol. 1, No. 5, pp. 24-35.
96. Zave and Jackson M. (1997), 'Four dark corners of requirements engineering', ACM Transactions on Software Engineering and Methodology, Vol. 6, No. 1, pp. 1-30.
97. Zave P. (1991), 'An insider's evaluation of PAISLey', IEEE Transactions on Software Engineering.
98. Zemankova-Leech M. (1983), 'Fuzzy Relational Data Bases', Ph.D. Dissertation, Florida State University.
99. Zimmermann H. (2001), 'Fuzzy set theory and its applications', Boston: Kluwer Academic Publishers.
100. Zultner, R. (1992), 'Quality Function Deployment for Software: Satisfying Customers', American Programmer.