

1. S. Murugesan, *Web Application Development: Challenges and the Role of Web Engineering*. Chap. 2 in *Web Engineering: Modelling and Implementing Web Applications*, edited by Gustavo Rossi, Oscar Pastor, Daniel Schwabe and Luis Olsina. Springer-Verlag, 2008.
2. G. Kappel, B. Proll, S. Reich and W. Retschitzegger, *An Introduction to Web Engineering*, In *Web Engineering - Systematic Development of Web Applications*. John Wiley & Sons Ltd., United Kingdom, 1-21, 2006.
3. P. Valderas and V. Pelechano, "A Survey of Requirements Specification in Model-Driven Development of Web Applications", *ACM Transactions on the Web (ACM)*, vol. 5, no. 2, 1-51, 2011.
4. C. Atkinson and T. Kuhne, "Model-Driven Development: A Metamodeling Foundation", *IEEE Software*, vol. 20, no. 5, 36-41, 2003.
5. A. Kusel, J. Schonbock, M. Wimmer, G. Kappel, W. Retschitzegger and W. Wchwinger, "Reuse in Model-to-model transformation languages: are we there yet?", *Journal of Software & Systems Modeling*, vol. 12, no. 2, 2013.
6. F. McCarey, M.O. Cinneide, N. Kushmerick, "Knowledge Reuse for Software Reuse", *Journal of Web Intelligence and Agent Systems*, vol. 6, no 1, 59-81, 2008.
7. A. Sen, "The Role of Opportunism in the Software Design Reuse Process", *IEEE Transactions on Software Engineering*, vol. 23, no. 7, 418-436, 1997.
8. A. Prasad and E.K. Park, "Reuse System: An Artificial Intelligence-based Approach", *Journal of Systems and Software*, vol. 27, no, 3, 207-221, 1994.
9. A. Alnusair and T. Zhao, "Retrieving Reusable Software Components Using Enhanced Representation of Domain Knowledge. Recent Trends in Information Reuse and Integration", *Lecture Notes in Computer Science (LNCS)*, 363-379, 2012.
10. K. Robles, A. Fraga, J. Morato and J. Llorens, "Towards an Ontology-based Retrieval of UML Class Diagrams", *Journal of Information and Software Technology*, vol. 54 no.1, 72-86, 2012.
11. A. Alnusair and T. Zhao, "Component Search and Reuse: An Ontology-based Approach", *IEEE International Conference on Information Reuse and Integration (IRI)*, 258-261, 2010.
12. B. Bislimovska, A. Bozzon, M. Brambilla and P. Fraternali, "Graph-Based Search over Web Application Model Repositories", *the 11th International Conference on Web Engineering (ICWE)*, 2011.
13. D. Lucrecio, R.P.M. Fortes and J. Whittle, "Moogole: A Model Search Engine", *The 11th International Conference on Model Driven Engineering Languages and Systems (MoDELS '08)*, Springer-Verlag, 296-310, 2008.
14. I. Keivanloo, L. Roostapour, P. Schuglerl and J. Rilling, "Semantic Web-based Source Code Search", *the 6th International Workshop on Semantic Web Enabled Software Engineering (SWESE 2010)*, San Francisco, CA, 2010.
15. S. Cai, Y. Zou, L. Wang, B. Xie and W. Shao, "A Semi-Supervised Approach for Component Recommendation Based on Citations", *Proceedings of the 12th International conference on software reuse (ICSR'11)*, 78-86, 2011.
16. O. Hartig, M. Kost and J.C. Freytag, "Automatic Component Selection with Semantic Technologies", *the 4th International Workshop on Semantic Web Enabled Software Engineering (SWESE)*, Karlsruhe, 2008.

17. S. Bajracharya, J. Ossher, and C. Lopes, "Sourcerer: An Internet-Scale Software Repository", in *Proceedings of the 2009 ICSE Workshop on Search-Driven Development-Users, Infrastructure, Tools and Evaluation*, 1-4, 2009.
18. W. Takuya and H. Masuhara, "A Spontaneous Code Recommendation Tool Based on Associative Search", in *Proceedings of the 3rd International Workshop on Search-driven Development: Users, Infrastructure, Tools and Evaluation, SUITE'11*, 17-20, 2011.
19. M. Grechanik, C. Fu, Q. Xie, C. McMillan, D. Poshyvanyk and C. Cumby, "Exemplar: EXExecutable exeMPLeS Archiver", in *Proceedings of the 32th ACM/IEEE International Conference on Software Engineering*, vol. 2, 259-262, 2010.
20. J. Tappolet, C. Kiefer and A. Bernstein, "Semantic Web Enabled Software Analysis", *Journal of Web Semantics*, vol. 8, no. 2, 225-240, 2010.
21. D.J. Reifer, "Web Development: Estimating Quick-to-market Software", *IEEE Software*, vol. 17, no. 6, 57-64, 2000.
22. J. Offutt, "Quality Attributes of Web Software Applications", *IEEE Software*, vol. 19, no. 2, 25-32, 2002.
23. C. Standing, "Methodologies for Developing Web Applications", *Journal of Information and Software Technology*, vol. 44, no. 3, 151-160, 2002.
24. A. Ginige, "Web Engineering: Managing the Complexity of Web Systems Development", In *Proceedings of the 14th International Conference on Software Engineering and Knowledge Engineering*, 721-729, 2002.
25. Y. Deshpande, S. Murugesan, A. Ginige, S. Hansen, D. Schwabe, M. Gaedke and B. White, "Web Engineering", *Journal of Web Engineering*, vol. 1, no. 1, 3-17, 2002.
26. M.J. Taylor, J. Mc William, H. Forsyth and S. Wade, "Methodologies and Web Site Development: a Survey of Practice", *Journal of Information and Software Technology*, vol. 44, no. 6, 381-391, 2002.
27. S.C. Lee and A.I. Shirani, "A Component Based Methodology for Web Application Development", *Journal of Systems and Software*, vol. 71, no. 1, 177-187, 2004.
28. S. Murugesan, "Web Engineering: A New Discipline for Development of Web-based Systems", *First ICSE Workshop on Web Engineering*, Los Angeles, 1-9, 1999.
29. A. Ginige and S. Murugesan, "Web Engineering: an Introduction", *IEEE Multimedia*, vol. 8, no. 1, 14-18, 2001.
30. S. Murugesan and Y. Deshpande, *Web Engineering, Managing Diversity and Complexity of Web Application Development. Lecture Notes in Computer Science 2016*, Springer Verlag, Heidelberg, 2001.
31. H. Gellersen, R. Wicke and M. Gaedke, "WebComposition: an Object-Oriented Support System for the Web Engineering Lifecycle", *Journal of Computer Networks and ISDN Systems*, vol. 29, no. 8, 865-1553, 1997.
32. G. Rossi and D. Schwabe, *Object-Oriented Web Applications Modeling. In Information Modelling in the New Millennium*, IGI Publishing, USA, ISBN: 1-878289-77-2, 463-484, 2001.
33. S. Ceri, P. Fraternali and A. Bongio, "Web Modeling Language (WebML): A Modeling Language for Designing Web Sites", *Computer Networks*, vol. 33, no. 1, 137-157 2000.
34. N. Koch, A. Knapp, G. Zhang and H. Baumeister, *UML-Based Web Engineering: An Approach Based on Standards. Chap. 7 in Web Engineering: Modelling and Implementing Web Applications*, edited by L. Olsina, O. Pastor, G. Rossi and D. Schwabe, 157-191. Berlin: Springer, 2008.

35. O. De Troyer and C. Leune, "WSDM: A User-Centered Design Method for Web Sites", *the 7th International World Wide Web Conference*, Elsevier, 85-94, 1998.
36. M.J. Escalona and G. Aragon, "NDT: A Model Driven Approach for Web Requirements", *IEEE Transactions on Software Engineering*, vol. 34, no. 3, 377-390 2008.
37. T. Isakowitz, A. Kamis and M. Koufaris, "Reconciling Top-Down and Bottom-Up Design Approaches in RMM", *Journal of Data Base*, vol. 29, no. 4, 58-67, 1998.
38. G. Houben, F. Frasincar, P. Barna and R. Vdovjak, "Modelling User Input and hypermedia Dynamics in Hera", in *Proceedings of the 4th International Conference on Web Engineering (ICWE 2004)*, Springer LNCS 3140, Munich, 60-73, 2004.
39. F. Garzotto, L. Mainetti and P. Paolini, "Hypermedia Design, Analysis, and Evaluation Issues", *Communications of the ACM*, vol. 38, no. 8, August, 74-86, 1995.
40. L. Baresi, F. Garzotto and P. Paolini, "Extending UML for Modeling Web Applications", in *Proceedings of the 34th Hawaii International Conference on Systems Sciences (HICSS 2001)*, Maui, HI, 1285-1294, 2001.
41. P. Fraternali and P. Paolini, "A Conceptual Model and a Tool Environment for Developing More Scalable and Dynamic Web Applications", in *Proceedings of the Conference on Extended Database Technology (EDBT'98)*, Valencia, Spain, March, 419-435, 1998.
42. O. De Troyer and T. Decruyenaere, "Conceptual Modeling of Web Sites for End-Users", *WWW Journal*, vol. 3, no. 1, 27-42, 2000.
43. D. Schwabe and G. Rossi, "An Object Oriented Approach to Web-based Application Design", *Theory and Practice of Object Systems (TAPOS)*, vol. 4, no. 4, 1998.
44. N. Koch and A. Kraus, "Towards a Common Metamodel for the Development of Web Applications", in *Proceedings of the 3rd International Conference of Web Engineering (ICWE 2003)*, Oviedo, Spain, July, 497-506, 2003.
45. O. Pastor, V. Pelechano, J. Fons and S. Abrahao, "Conceptual Modeling of Web Applications: the OOWS Approach", In *Web Engineering – Theory and Practice of Metrics and Measurement for Web Development*, Mendes, E. Mosley, N. (Eds.), Springer-Verlag, 277-302, 2005.
46. J. Gomez and C. Cachero, OO-H Method: Extending UML to Model Web Interfaces. in *Information Modeling for Internet Applications*, van Bommel, P. (ed.), Idea Group Inc., 2003.
47. W. Schwinger and N. Koch, Modeling Web Applications. in Kappel, G. Proll, B. Reich, S. Retschitzegger, W. (eds.), *Web Engineering, the Discipline of Systematic Development of Web Applications*, chapter 3, 39-65, 2006.
48. W.B. Frakes and K. Kang, "Software Reuse Research: Status and Future", *IEEE Transactions on Software Engineering*, vol. 31, no. 7, 529-536, 2005.
49. H. Mili, F. Mili and A. Mili, "Reusing Software: Issues and Research Directions", *IEEE Transactions on Software Engineering*, vol. 22, no. 6, 528-562, 1995.
50. M.D. McIlroy, "Mass Produced Software Components", In *Proceedings of the 1st International Conference on Software Engineering*, Garmisch Pattenkirchen, Germany, 88-98, 1968.
51. P. Mohagheghi and R. Conradi, "Quality, Productivity, and Economics Benefits of Software Reuse: A Review of Industrial Studies", *Empirical Software Engineering*, vol. 12, no. 5, 471-516, 2007.
52. D. Card and E. Comer, "Why Do So Many Reuse Programs Fail?", *IEEE Software*, vol. 11, no. 5, 114-115, 1994.

53. M. Morisio, M. Ezran, and C. Tully, "Success and Failure Factors in Software Reuse", *IEEE Transactions on Software Engineering*, vol. 28, no. 4, 340-357, 2002.
54. C. Catal, "Barriers to the Adoption of Software Product Line Engineering", *ACM SIGSOFT Software Engineering Notes*, vol. 34, no. 6, 2009.
55. K. Sherif and A. Vinze, "Barriers to Adoption of Software Reuse, a Qualitative Study", *Journal of Information and Management*, vol. 41, no. 2, 159-175, 2003.
56. B. Jalender, N. Gowtham, K.P. Kumar, K. Murahari and K. Sampath, "Technical Impediments to Software Reuse", *International Journal of Engineering Science and Technology*, vol. 2, no. 11, 6136-6139, 2010.
57. R. Malan and K. Wentzel, "Economics of Software Reuse Revisited", in *Proceedings of the 3rd Irvine Software Symposium*, University of California, Irvine, 109-121, 1993.
58. W.C Lim, "Effects of Reuse on Quality, Productivity, and Economics", *IEEE Software*, vol. 11, no. 5, 23-30, 1994.
59. A. Milli, S.C. Fowler, R. Gottumkkala and L. Zhang, "An Integrated Cost Model for Software Reuse", In *proceedings of the 22nd International Conference on Software Engineering*, 157-166, 2000.
60. D. Postmus and T.D. Meijler, "Aligning the Economic Modeling of Software Reuse with Reuse Practices", *journal of Information and Software Technology*, vol. 50, no. 7, 753-762, 2008.
61. T. Mens, C. Lucas and P. Steyaert, "Supporting Disciplined Reuse and Evolution of UML Models", *Lecture Notes in Computer Science*, vol. 1618, 378-392, 1999.
62. C. Lucas, *Documenting Reuse and Evolution with Reuse contracts*, Ph.D. Dissertation, Vrije Universiteit Brussel, 1997.
63. P. Steyaert, C. Lucas, K. Mens and T. D'Hondt, "Reuse Contracts- Managing the Evolution of Reusable Assets", in *Proceedings of OOPSLA '96*, SIGPLAN Notices, vol. 31, no. 10, 268-286, 1996.
64. R. Anguswamy, "A Study of Factors Affecting the Design and Use of Reusable Components", *International Doctoral Symposium on Empirical Software Engineering (IDoESE'12)*, Sweden, 2012.
65. R. Anguswamy and W.B. Frakes, "A Study of Reusability, Complexity, and Reuse Design Principles", *the 6th ACM / IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM'12*, Sweden, 2012.
66. O.A.L. Lemos, S.K. Bajracharya, J. Ossher, R.S. Morla, P.C. Masiero, P. Baldi and C.V. Lopes, "CodeGenie: Using Test-Cases to Search and Reuse Source Code", in *Proceedings of the 22nd IEEE/ACM International Conference on Automated Software Engineering*, 525-526, 2007.
67. A. Hamid, *A Source Code Search Engine for Keyword Based Structural Relationship Search*, Thesis, the University of Texas at Arlinkgton, 2013.
68. S. Bajracharya, J. Ossher and C. Lopes, "Sourcerer: An Infrastructure for Large-Scale Collection and Analysis of Open-Source Code", *journal of Science of Computer Programming*, vol. 79, no. 1, 241-259, 2014.
69. C. McMillan, M. Grechanik, D. Poshyvanyk, C. Fu and Q. Xie, "Exemplar: A Source Code Search Engine for Finding Highly Relevant Applications", *IEEE Transactions on Software Engineering*, vol. 38, no. 5, 1069-1087, 2012.
70. C. McMillan, N. Hariri, D. Poshyvanyk and J. Cleland-Huang, "Recommending Source Code for Use in Rapid Software Prototypes", in *Proceedings of the International Conference of Software Engineering (ICSE)*, 848-858, 2012.

71. R. Holmes, R.J. Walker and G.C. Murphy, "Approximate Structural Context Matching: An Approach to Recommend Relevant Examples", *IEEE Transactions on Software Engineering*, vol. 32, no. 12, 952-970, 2006.
72. L. Heinemann and B. Hummel, "Recommending API Methods based on Identifier Contexts", in *Proceedings of the 3rd International Workshop on Search-driven Development: Users, Infrastructure, Tools and Evaluation, SUITE'11*, 1-4, New York, NY, USA, 2011.
73. Z. Cheng and D. Budgen, "What Do We Know About the Effectiveness of Software Design Patterns?", *IEEE Transactions on Software Engineering*, vol. 38, no. 5, 1213-1231, 2012.
74. T.C. Jones, *Software Return on Investment Preliminary Analysis*, Software Productivity Research, Inc., Burlington, MA, 1993.
75. A. Goldberg and K.S. Rubin, "Succeeding with Objects: Decision Frameworks for Project Management", *Addison-Wesley, Reading, Mass.*, 1995.
76. G. Butler, L. Li and I.A. Tjandra, "Reusable Object-Oriented Design", *Department of Computer Science, Concordia University, Montreal, Quebec*, 19-21, 1999.
77. F. Barros, "Increasing Software Quality through Design Reuse", *In proceedings of the 7th International Conference on the Quality of Information and Communications Technology*, 236-241, 2010.
78. M. Smialek, A. Kalnins, E. Kalnina and A. Ambroziewicz, "Comprehensive System for Systematic Case-Driven Software Reuse", *SOFSEM 2010*, 697-708, 2010.
79. E.A. Karlsson, *Software Reuse- A Holistic Approach*. John Wiley & Sons, Inc., 1995.
80. D. Falessi, G. Cantone, R. Kazman and P. Kruchten, "Decision-making Techniques for Software Architecture Design: a Comparative Survey", *ACM Computing Surveys*, vol. 43, no. 4, 1-28, 2011.
81. F.M. Ali and W. Du, "Toward Reuse of Object-Oriented Software Design Models", *Information and Software Technology*, vol. 46, no. 15, 499-517, 2004.
82. C. Szyperski, "Component Software: Beyond Object Oriented Programming", *ACM Press and Addison Wesley*, New York, USA, 2002.
83. G.T. Heineman and W.T. Councill, *Component-Based Software Engineering: Putting the Pieces Together*. Addison-Wesley Longman Publishing Co. Inc., 2001.
84. F. Bachman, L. Bass, S. Buhman, S. Comella-Dorda, F. Long, R.C. Seacord and K.C. Wallnau, *Technical Concepts of Component-based Software Engineering*, technical report, CMU/SEI-2999-TR-008, ESC-TR-2000-007, 2000.
85. G. Chroust, "Motivation in Component-Based Software Development", in *Claude Ghaoui: Encyclopedia of Human Computer Interaction*, Idea Group Reference, Hershey, London, Melbourne, Singapore, 2006,
86. K.K. Lau and Z. Wang, "Software Component Models", *IEEE Transactions on Software Engineering*, vol. 33, no. 10, 709-724, 2007.
87. R. Land, D. Sundmark, F. Luders, I. Krasteva and A. Causevic, "Reuse with Software Components- A Survey of Industrial State of Practice", *Proceedings of the 11th International Conference on Software Reuse: Formal Foundations of Reuse and Domain Engineering*, 150-159, 2009.
88. L. Heinemann, F. Deissenboeck, M. Cleirscher, B. Hummel and M. Irlbeck, "On the Extent and Nature of Software Reuse in Open Source Java Projects", *Proceedings of the 12th international conference on software reuse*, 207-222, 2011.
89. P. Vitharana, "Risks and Challenges of Component-based Software Development", *Communications of the ACM*, vol. 46, no. 8, 67-72, 2003.

90. N. Haghpanah, S. Moaven, J. Habibi, M. Kargar and S.H. Yeganeh, "Approximation Algorithms for Software Component Selection Problem", *In Proceedings of the 14th Asia-Pacific Software Engineering Conference (ASPEC)*, 159-166, 2007.
91. S.E. Carlson, "Genetic Algorithm Attributes for Component Selection", *Research in Engineering Design*, vol. 8, no. 1, 33-51, 1996.
92. H. Yao, L.H. Etzkorn and S. Virani, "Automated Classification and Retrieval of Reusable Software Component", *Journal of the American Society for Information Science and Technology*, vol. 59, no. 4, 613-627, 2008.
93. E. Gamma, R. Helm, R. Johnson and J. Vlissides, *Design Patterns, Elements of Reusable Object-Oriented Software*. Addison Wesley, 1995.
94. N. Tsantalis, A. Chatzigeorgiou, G. Stephanides and S.T. Halkidis, "Design Pattern Detection Using Similarity Scoring", *IEEE Transactions on Software Engineering*, vol.32, no, 11, 896-909, 2006.
95. S. Paydar and M. Kahani, "A Semantic Web Based Approach for Design Pattern Detection from Source Code", *The International Conference on Computer and Knowledge Engineering (ICCKE 2012)*, Mashhad, Iran, 289-294, 2012.
96. H. Kampffmeyer and S. Zschaler, "Finding the Pattern You Need: The Design Pattern Intent Ontology", *In Model Driven Engineering Languages and Systems*, Springer Berlin Heidelberg, 211-225, 2007.
97. J. Dietrich and C. Elgar, "An Ontology Based Representation of Software Design Patterns", *In Toufik Taibi (editor): Design Pattern Formalization Techniques*, Idea Group Inc. 2007. ISBN: 978-1-59904-219-0.
98. L. Sabatucci, M. Cossentino and A. Susi, "Introducing Motivations in Design Pattern Representation", *Proceedings of the 11th International Conference on Software Reuse: Formal Foundations of Reuse and Domain Engineering*, 201-210, 2009.
99. E. Nowick, K.M. Eskridge, D.A. Travnicsek, X. Chen, J. Li, "A Model Search Engine Based on cluster Analysis of Search Terms", *Library Philosophy and Practice*, vol. 7, no. 2, 2005.
100. A. Bozzon, M. Brambilla and P. Fraternali, "Searching Repositories of Web Application Models", *Lecture Notes in Computer Science*, vol. 6189, 1-15, 2010.
101. W. Kling, F. Jouault, D. Wagelaar, M. Brambilla and J. Cabot, "MoScript: A DSL for querying and manipulating model repositories", *Lecture Notes in Computer Science*, 180-200, 2011.
102. H. Zhuge, H. "A Process Matching Approach for Flexible Workflow Process Reuse", *Information and Software Technology*, vol. 44, no. 8, 445-450, 2002.
103. W.N. Robinson and H.G. Woo, "Finding Reusable UML Sequence Diagrams Automatically", *IEEE Software*, vol. 21, no. 5, 60-67, 2004.
104. M. Elias and P. Johannesson, "A Survey of Process Model Reuse Repositories", *Proceedings of the 6th International Conference of Information Systems, Technology and Management (ICISTM 2012)*, Grenoble, France, 64-76, 2012.
105. I. Markovic and A. Costa Pereira, "Towards a Formal Framework for Reuse in Business Process Modeling", *Proceedings of the 2007 international conference on Business process management (BPM'07)*, 484-495, 2007.
106. D. Bildhauer, T. Horn and J. Ebert, "Similarity-driven Software Reuse", *in Proceedings of the 2009 ICSE Workop on Comparison and Versioning of Software Models*, Washington, DC, USA, 31-36, 2009.
107. I. Jacobson, M. Griss and P. Jonsson, *Software Reuse: Architecture Process and Organization for Business Success*. ACM Press/Addison-Wesley Publishing Co., New York, 1997.

108. I. Jacobson, "Use Cases - Yesterday, Today, and Tomorrow", *Software and Systems Modeling*, vol. 3, no.3, 210-220, 2004.
109. M.C. Bolk and J.L. Cybulski, "Reusing UML specifications in a constrained application domain," in *Proceedings of the 5th Asia Pacific Software Engineering Conference (ASPEC'98)*, 196-202, 1998.
110. P. Gomes, P. Gandola and J. Cordeiro, "Helping Software Engineers Reusing UML Class Diagrams", in *Proceedings of the 7th International Conference on Case-Based Reasoning: Case-Based Reasoning Research and Development*, 449-462, 2007.
111. H.O. Salami, M.A. Ahmed, "UML Artifacts Reuse: State of the Art", *the International Journal of Soft Computing and Software Engineering (JSCSE)*, vol. 3, no. 3, 115-122, 2013.
112. W.J. Park and D.H. Bae, "A Two-Stage Framework for UML Specification Matching", *journal of Information and Software Technology*, vol. 53, no. 3, 230-244, 2010.
113. H.O. Salami and M.A. Ahmed, "A Framework for Class Diagram Retrieval Using Genetic Algorithm", in *proceedings of the 24th International Conference on Software Engineering and Knowledge Engineering (SEKE 2012)*, 737-740, 2012.
114. B. Bonilla-Morales, S. Crespo and C. Clunie, "Reuse of Use Cases Diagrams: An Approach based on Ontologies and Semantic Web Technologies", *International Journal of Computer Science Issues*, vol. 9, no. 2, 24-29, 2012.
115. P. Gomes, F.C. Pereira, P. Paiva, N. Seco, P. Carreiro, J.I. Ferreira and C. Bento, "Case Retrieval of Software Designs Using WordNet", in *European Conference on Artificial Intelligence (ECAI 02)*, 245-249, 2002.
116. P. Gomes, F.C. Pereira, P. Paiva, N. Seco, P. Carreiro, J.L. Ferreira and C. Bento, "Using WordNet for Case-Based Retrieval of UML Models", *AI Communications*, vol.17, no. 1, 13-23, 2004.
117. T.A. Alspaugh, A.I. Ant, T. Barnes and B.W. Mott, "An Integrated Scenario Management Strategy", in *Proceedings of the 4th IEEE International Symposium on Requirements Engineering*, 142-149, 1999.
118. I. Jacobson, *Object-Oriented Software Engineering: A Use Case Driven Approach*. Addison-Wesley, 1992.
119. B. Srisura and J. Daengdej, "Retrieving Use Case Diagram with Case-Based Reasoning Approach", *Journal of Theoretical and Applied Information Technology*, vol. 19, no. 2, 68-78, 2010.
120. M. Saeki, "Reusing use case descriptions for requirements specification: towards use case patterns", in *Proceedings of the 6th Asia Pacific Software Engineering Conference (APSEC)*, 309-316, 1999.
121. A. Udomchaiporn, N. Prompoon and P. Kanongchaiyos, "Software Requirements Retrieval Using Use Case Terms and Structure Similarity Computation", in *Proceedings of the 13th Asia Pacific Software Engineering Conference*, 113-120, 2006.
122. F.A. Durao, T.A. Vanderlei, E.S. Almeida and S.R.L. Meira, "Applying a Semantic Layer in a Source Code Search Tool", *the 2008 ACM Symposium on Applied Computing (SAC '08)*, New York, 1151-1157, 2008.
123. P. Clements and L.M. Northrop, *Software Product Lines: Practices and Patterns*. Addison-Wesley, Reading, 2007.
124. K. Pohl, G. Bockle and F. van der Linden, *Software Product Line Engineering: Foundations, Principles, and Techniques*. Springer, Berlin, 2005.
125. K. Kang, V. Sugumaran and S. Park, *Applied Software Product-Line Engineering*. Auerbach, Boca Raton, 2009.

126. M. Jha and L. O'Brien, "Identifying Issues and Concerns in Software Reuse in Software Product Lines", *In proceeding of: Formal Foundations of Reuse and Domain Engineering*, VA, USA, 27-30, 2009.
127. W. Frakes and C. Terry, "Software Reuse: Metrics and Models", *ACM Computing Surveys*, vol. 28, no. 2, 415-435, 1996.
128. N. Koch and S. Kozuruba, "Requirements Models as First Class Entities in Model-Driven Web Engineering", *3rd Workshop on the Web and Requirements Engineering at ICWE 2012*, 158-169, 2012.
129. A. Monden, D. Nakae, T. Kamiya, S. Sato and K. Matsumoto, "Software Quality Analysis by Code Clones in Industrial Legacy Software", *in Proceedings of the 8th International Symposium on Software Metrics*, 2002.
130. F. Deissenboeck, B. Hummel, E. Juergens, B. Schatz, S. Wagner, J.F. Girard and S. Teuchert, "Clone Detection in Automotive Model-Based Development", *ICSE'08*, 603-612, 2008.
131. U. Kelte, J. Wehren and J. Niere, "A Generic Difference Algorithm for UML Models", *In Proceedings of the Software Engineering Conference 2005, Essen, Germany*, 105-116, 2005.
132. P. Selonen, "A Review of UML Model Comparison Approaches", *in Proceedings of Nordic Workshop on Model Driven Engineering*, Ronneby, Sweden, 27-29, 2007.
133. M. Girschick, *Difference Detection and Visualization in UML Class Diagram*, Technical University of Darmstadt Technical Report TUD-CS-2006-5, 1-15, 2006.
134. Y. Li, D. McLean, Z.A. Bandar, J.D. O'Shea and K. Crockett, "Sentence Similarity based on Semantic Nets and Corpus Statistics", *IEEE Transactions on Knowledge and Data Engineering*, vol. 18, no. 8, 1138-1150, 2006.
135. T. Yamamoto, M. Matsushita, T. Kamiya and K. Inoue, "Measuring Similarity of Large Software Systems Based on Source Code Correspondence", *In Product Focused Software Process Improvement*, 530-544, 2005.
136. T. Yamamoto, M. Matsushita, T. Kamiya and K. Inoue, "Similarity of Software System and Its Measurement Took SMMT", *Systems and Computers in Japan*, vol. 38, no. 6, 91-99, 2007.
137. A. Walenstein, M. El-Ramly, J.R. Cordy, W.S. Evans, K. Mahdavi, M. Pizka, G. Rama-lingam and J.W. von Gudenberg, Similarity in programs. In R. Koschke, E. Merlo, and A. Walenstein, editors, *Duplication, Redundancy, and Similarity in Software*, number 06301 in Dagstuhl Seminar Proceedings. IBFI, 2007.
138. M. Stephan and J.R. Cordy, *A Survey of Methods and Applications of Model Comparison*, Technical Report 2011-582 Rev. 3, School of Computing, Queen's University, Ontario, Canada, 2012.
139. H.G. Woo and W.N. Robinson, "A Light-Weight Approach to the Reuse of Use-Cases Specifications", *In Proceedings of the 5th annual conference of the Southern Association for Information Systems*, 330-336, 2002.
140. S. Bin, F. Liying, Y. Jianzhuo, W. Pu and Z. Zhongcheng, "Ontology-based Measure of Semantic Similarity between Concepts", *World Congress on software Engineering (WCSE)*, 109-112, 2009.
141. G. Miller, "WordNet: A Lexical Database for English", *Communications of the ACM*, vol. 38, no. 11, 39-41, 1995.
142. A. Trakarnviroj and N. Prompoon, "A Storage and Retrieval of Requirement Model and Analysis Model for Software Product Line", *in Proceedings of the International MultiConference of Engineers and Computer Scientists (IMECS 2012)*, Hong Kong, 14-16, 2012.

143. M.G. Ilieva and H. Boley, "Representing Textual Requirements as Graphical Natural Language for UML Diagram Generation", *Software Engineering and Knowledge Engineering (SEKE)*, 478-483, 2008.
144. S.J. Korner and T. Gelhausen, "Improving Automatic Model Creation Using Ontologies", *Software Engineering and Knowledge Engineering (SEKE)*, 691-696, 2008.
145. N. Samarasinghe and S.S. Some, "Generating a Domain Model from a Use Case Model", *ISCA*, 2005.
146. T. Yue, L.C. Briand and Y. Labiche, "Facilitating the Transition from Use Case Models to Analysis Models: Approach and Experiments", *Transactions on Software Engineering and Methodology (TOSEM)*, vol. 22, no. 1, 2013.
147. B. Dobing and J. Parsons, "How UML is Used", *Communications of the ACM*, vol. 49, no. 5, 109-113, 2006.
148. R. Klimek and P. Szwed, "Formal Analysis of Use Case Diagrams", *Computer Science*, vol. 11, 115-131, 2010.
149. R. Bendraou, J.M. Jezequel, M.P. Gervais and X. Blanc, "A Comparison of Six UML-Based Languages for Software Process Modeling", *IEEE Transactions on Software Engineering*, vol. 36, no. 5, 662-675, 2010.
150. S. Lauesen and M.A. Kuhail, "Task Descriptions versus Use Cases", *Requirement Engineering (Springer)*, vol. 17, no. 1, 3-18, 2012.
151. B. Anda and D.I.K. Sjoberg, "Investigating the Role of Use Cases in the Construction of Class Diagrams", *Empirical Software Engineering*, vol. 10, 285-309, 2005.
152. Y. Liang, "From Use Cases to Classes: A Way of Building Object Model with UML", *Information and Software Technology*, vol. 45, 83-93, 2003.
153. T. Yue, L.C. Briand, Y. Labiche, *Automatically Deriving a UML Analysis Model from a Use Case Model*, Technical Report 2010-15, Simula Research Laboratory, 2010.
154. T. Yue, L.C. Briand and Y. Labiche, "An Automated Approach to Transform Use Cases into Activity Diagrams", *Lecture Notes in Computer Science*, 337-353, 2010.
155. R. Gronmo and B. Moller-Pedersen, "From UML2 Sequence Diagrams to State Machines by Graph Transformation", *Journal of Object Technology*, vol. 10, 1-22, 2011.
156. S.S. Some, "An Approach for the Synthesize of State Transition Graphs from Use Cases", *International Conference on Software Engineering Research and Practice (SERP'03)*, 456-462, 2003.
157. T. Yue, L.C. Briand and Y. Labiche, "A Systematic Review of Transformation Approaches Between User Requirements and Analysis models", *Requirements Engineering*, vol. 16, no. 2, 75-99, 2011.
158. S.J. Mellor, A.N. Clark and T. Futagami, "Model-Driven Development", *IEEE Software*, vol. 20, no. 5, 14-18, 2003.
159. B. Selic, "The Pragmatics of Model-Driven Development", *IEEE Software*, vol. 20, no. 5, 19-25, 2003.
160. N. Koch, A. Knapp and S. Kozuruba, "Assessment of Effort Reduction due to Model-to-Model Transformations in the Web Domain", *in Web Engineering*, 215-222, 2012.
161. P. Vilain, D. Schwabe and C. Sieckenius, *Use Cases and Scenarios in the Conceptual Design of Web Application*, Technical Report MCC 12/00, Departamento de Informatica, PUC-Rio, Rio de Janeiro, Brasil, 2000.

162. S. Kang, H. Kim, J. Baik, H. Choi and C. Keum, "Transformation Rules for Synthesis of UML Activity Diagram from Scenario-based Specification", *34th Annual IEEE Computer Software and Applications Conference*, 431-436, 2010.
163. G. Antoniou and F.V. Harmelen, Web Ontology Language: OWL. In Handbook of Ontologies, edited by S. Staab and R. Studer, 91-110, 2009.
164. C. Calero, F. Ruiz and M. Piattini, "Ontologies for Software Engineering and Software Technology", *Springer*. London, 339-345, 2006.
165. B. Bauer and S. Roser, "Semantic-Enabled Software Engineering and Development", *GI Jahrestagung 2*, 293-296, 2006.
166. G. Bucci, V. Sandrucci and E. Vicario, "Ontology-Driven Enterprise Application Integration", *Proceedings of the 22nd International Conference on Software Engineering & Knowledge Engineering (SEKE'2010)*, Redwood City, San Francisco Bay, CA, USA, 54-60, 2010.
167. S. Izza, L. Vincent and P. Burlat, "A Unified Framework for Application Integration – an Ontology-Driven Service-Oriented Approach", *Proceedings of the Seventh International Conference on Enterprise Information Systems*, Miami, USA, 25-28, 2005.
168. V.H. Nasser, W. Du and D. MacIsaac, "An Ontology-based Software Test Generation Framework", *Proceedings of the 22nd International Conference on Software Engineering & Knowledge Engineering (SEKE'2010)*, Redwood City, San Francisco Bay, CA, USA, 192-197, 2010.
169. V.H. Nasser, W. Du and D. MacIsaac, "Knowledge based Software Test Generation", *Proceedings of the 21st International Conference on Software Engineering & Knowledge Engineering (SEKE'2009)*, 312-317, 2009.
170. T. Moser, G. Durr and S. Biffl, "Ontology-Based Test Case Generation For Simulating Complex Production Automation Systems", *Proceedings of the 22nd International Conference on Software Engineering & Knowledge Engineering (SEKE'2010)*, Redwood City, San Francisco Bay, CA, USA, 478-482, 2010.
171. C.D. Nguyen, A. Perini and P. Tonella, "Ontology-based Test Generation for Multi Agent Systems", *7th International joint conference on Autonomous agents and multiagent systems, International Foundation for Autonomous Agents and Multiagent Systems*, 1315-1320, 2008.
172. S. Chang, F. Colace, M.D. Santo, E. Zegarra and Y. Qie, "An Approach for Software Component Reusing based on Ontological Mapping", *Proceedings of the 24th International Conference on Software Engineering & Knowledge Engineering (SEKE'2012)*, Redwood City, San Francisco Bay, CA, USA, 180-187, 2012.
173. A. Iqbal, O. Ureche, M. Hausenblas and G. Tummarello, "LD2SD: Linked Data Driven Software Development", *the 21th International Conference on Software Engineering and Knowledge Engineering (SEKE)*, Boston, Massachusetts, 2009.
174. P. Schügerl, J. Rilling and P. Charland, "Enriching SE ontologies with bug report quality", *In Proceedings of the 4th International Workshop on Semantic Web Enabled Software Engineering (SWESE '08)*, 2008.
175. J. Tappolet, "Semantics-aware Software Project Repositories", *ESWC 2008 Ph.D. Symposium*, 2008.
176. H.H. Wang, D. Damjanovic and J. Sun, "Enhanced Semantic Access to Formal Software Models", *in Proceedings of the 12th International Conference on Formal Engineering Methods and Software Engineering*, 237-252, 2010.
177. I. Keivanloo, C. Forbes, J. Rilling and P. Charland, "Towards Sharing Source Code Facts Using Linked Data", *In Proceedings of the 3rd International Workshop on*

- Search-Driven Development: Users, Infrastructure, Tools and Evaluation (SUITE '11)*, 25-28, 2011.
178. O. Berger, "Linked Data Descriptions of Debian Source Packages Using ADMS.SW", *In Proceedings of the 8th International Workshop on Semantic Web Enabled Software Engineering (SWESE 2012)*, Nara, Japan, 43-55, 2012.
 179. H.H. Shahri, J.A. Hendler and A.A. Porter, "Software Configuration Management Using Ontologies", *the 3rd International Workshop on Semantic Web Enabled Software Engineering (SWESE 2007)*, Innsbruck, Austria, 2007.
 180. D. Damjanovic and K. Bontcheva, "Enhanced Semantic Access to Software Artefacts", *4th International Workshop on Semantic Web Enabled Software Engineering (SWESE'08)*, Karlsruhe, Germany, October, 2008.
 181. J. Dietrich and C. Elgar, "A Formal Description of Design Patterns Using OWL", *Proceedings of the 16th Australian Conference on Software Engineering (ASWEC2005)*, IEEE Computer Society, 243-250, 2005.
 182. Y. Ren, G. Gröner, J. Lemcke, T. Rahmani, A. Friesen, Y. Zhao, J.Z. Pan and S. Staab, *Validating Process Refinement with Ontologies*, Description Logics, 2009.
 183. K. Siegemund, E.J. Thomas, Y. Zhao, J. Pan and U. Assmann, "Towards Ontology-Driven Requirements Engineering", *in Proceedings of the 7th International Workshop on Semantic Web Enabled Software Engineering*, 1-15, 2011.
 184. N. Kaviani, B. Mohabbati, D. Gasevic and M. Finke, "Semantic Annotations of Feature Models for Dynamic Product Configuration in Ubiquitous Environments", *In Proceedings of the 4th International Workshop on Semantic Web Enabled Software Engineering at 7th International Semantic Web Conference*, Karlsruhe, Germany, 2008.
 185. D. Settas and I. Stamelos, "Using Ontologies to Represent Software Project Management Antipatterns", *In proceeding of: Proceedings of the Nineteenth International Conference on Software Engineering & Knowledge Engineering (SEKE'2007)*, Boston, Massachusetts, USA, 9-11, 2007.
 186. T. Moroi, N. Yoshiura and S. Suzuki, "Conversion of Software Specifications in Natural Languages into Ontologies for Reasoning", *8th International Workshop on Semantic Web Enabled Software Engineering (SWESE2012)*, 2012.
 187. K. Siegemund, Y. Zhao, J.Z. Pan and U. Abmann, "Measure Software Requirement Specifications by Ontology Reasoning", *In Proceedings of the 8th International Workshop on Semantic Web Enabled Software Engineering (SWESE 2012)*, 2012.
 188. T. Moser, D. Winkler, M. Heindl and S. Biffl, "Automating the Detection of Complex Semantic Conflicts between Software Requirements", *Proceedings of the 23rd International Conference on Software Engineering & Knowledge Engineering (SEKE'2011)*, 729-735, 2011.
 189. M. Maleshkova, C. Pedrinaci, J. Domingue, G. Alvaro and I. Martines, "Using Semantics for Automating the Authentication of Web APIs", *In Proceedings of the 9th international semantic web conference on The semantic web - Volume Part I (ISWC'10)*, 534-549, 2010.
 190. T. Berners-Lee, "Linked Data. Design Issues for the World Wide Web", <http://www.w3.org/DesignIssues/LinkedData.html>, 2006.
 191. LOD Cloud, Available: <http://lod-cloud.net>
 192. J. Dietrich, N. Jones and J. Wright, "Using social networking and semantic web technology in software engineering- use cases, patterns, and a case study", *Journal of Systems and Software*, vol. 81, no. 12, 2183-2193, 2008.

193. J. Dietrich and C. Elgar, "Towards a Web of Patterns", *Journal of Web Semantics*, vol. 5, no. 2, 108-116, 2007.
194. S.J. Korner and T. Brumm, "Improving Natural Language Specifications with Ontologies", *Software Engineering and Knowledge Engineering (SEKE)*, 552-557, 2009.
195. W.N. Robinson and S.D. Pawlowski, "managing requirements inconsistency with development goal monitors", *IEEE Transactions on Software Engineering*, vol. 25, no. 6, 816-835, 1999.
196. S. Dietze, D. Liu, H.Q. Yu and C. Pedrinaci, "Semantic Web-driven Development of Service-oriented Systems – Exploiting Linked Data for Services Annotation and Discovery", *7th International Workshop on Semantic Web Enabled Software Engineering*, Bonn, Germany, 2011.
197. OMG Specification. *OMG Unified Modeling Language (OMG UML)*, Superstructure, Version 2.4.1. Object Management Group, 2011.
198. Z. Wu and M. Palmer, "Verb Semantics and Lexical Selection", *Proceedings of the 32nd Annual Meeting of the Associations for Computational Linguistics*, 133–138, 1994.
199. D. Lin, "An Information-Theoretic Definition of Similarity", *Proceedings of the 15th International Conference on Machine Learning*, vol. 1, 296-304, 1998.
200. V.I. Levenshtein, "Binary Codes Capable of Correcting Deletions, Insertions, and Reversals, Soviet Physics Doklady", vol. 10, no. 8, 707-710, 1966.
201. J. Conallen, *Building Web Applications with UML*. Addison Wesley, 2002.
202. K. Hamilton and R. Miles, *Learning UML 2.0*, O'Reilly, 2006.
203. S.J. Mellor and M.J. Balcer, *Executable UML: A Foundation for Model-Driven Architecture*. Addison Wesley, 2002.
204. B. Alchimowicz, J. Jurkiewicz, M. Ochodek and J. Nawrocki, "Building Benchmarks for Use Cases, Computing and Informatics", vol. 29, no. 1, 27-44, 2010.
205. W.B. Frakes and R. Baeza-Yates, *Information Retrieval: Data Structures and Algorithms*, Prentice-Hall, 1992.
206. J.S., Poulin, J.M., Caruso, D.R., Hancock, "The Business Case for Software Case", *IBM Systems Journal*, vol. 32, no. 4, 567-594, 1993.

۷- لیست مقالات مرتبط با رساله

- Samad Paydar, Mohsen Kahani, A Semantic Web Enabled Approach to Reuse Functional Requirements Models in Web Engineering, Journal of Automated Software Engineering, Springer, 2014. (Accepted, waiting for issue assignment)
- Samad Paydar, Mohsen Kahani, A Semi-Automated Approach to Adapt Activity Diagrams for New Use Cases, Journal of Information and Software Technology, Elsevier, 2014. (Accepted, waiting for issue assignment)
- Samad Paydar, Mohsen Kahani, Behshid Behkamal, Mahboobeh Dadkhah, Publishing Persian Linked Data; Challenges and Lessons Learned, International Journal of Information and Communication Technology (IJICT), International Telecom Research Center (ITRC), vol. 2, no. 3, pp. 9-19, November 2010.