

Bibliography

- [Able] The ABLE Project. See: <http://www.cs.cmu.edu/~able/>.
- [ADL] Assertion Definition Language. See: <http://adl.opengroup.org/>.
- [Allen94] Allen, R., and D. Garlan. 1994. *Formal Connectors*. Carnegie-Mellon CMU-CS-94-115 Technical Report, March.
- [America90] America, P. 1990. Parallel Object-Oriented Language with Inheritance and Subtyping. In *OOPSLA Proceedings '90*.
- [Bass98] Bass, L., P. Clements, and R. Kazman. 1998. *Software Architecture in Practice*. Reading, Mass.: Addison Wesley Longman.
- [Beringer97] Beringer, D. 1997. Scenario Modelling: Modelling Global Behaviour with Scenarios in Object-Oriented Analysis. Ph.D. thesis, Swiss Federal Institute of Technology, Lausanne. See also: <http://lglwww.epfl.ch/Team/DBR/Thesis.html>.
- [Booch95] Booch, G. 1995. *Object-Oriented Analysis and Design with Applications, Second Edition*. Menlo Park, CA: Benjamin Cummings.
- [Booch91] Booch, G. 1991. *Object-Oriented Design with Applications*. Menlo Park, CA: Addison-Wesley.
- [Cheng84] Cheng, J. H., H. Barringer, and C. B. Jones. 1984. A logic covering undefinedness in program proofs. *Acta Informatica*, 21: 251–269.
- [Cockburn98] Cockburn, A. 1998. *Surviving Object-Oriented Projects: A Manager's Guide*. Reading, Mass.: Addison Wesley Longman.
- [Coleman93] Coleman, D., et al. 1993. *Object-Oriented Development: The Fusion Method*. Englewood Cliffs, N.J.: Prentice Hall.
- [COM] The COM and COM+ Models. See: www.microsoft.com.
- [Cook94] Cook, S., and J. Daniels. 1994. *Designing Object Systems: Object-Oriented Modeling with Syntrophy*. Englewood Cliffs, N.J.: Prentice Hall.
- [CORBA] Common Object Request Broker Architecture. See: www.omg.org.
- [de Champeaux93] de Champeaux, D., et al. 1993. *Object-Oriented System Development*. Reading, Mass.: Addison Wesley Longman.
- [D'Souza93] D'Souza, D. 1993. A Comparison of OO Methods. In *OOPSLA Proceedings '93*. <http://www.iconcomp.com/papers/comp/index.htm>.
- [D'Souza94] D'Souza, D. 1994. OMT Model Integration. Report on Object-Oriented Analysis and Design, September. See also URL: <http://www.iconcomp.com/papers/omt4-model-integr/OMT4ModelIntegration.frm.html>.

- [D'Souza95a] D'Souza, D., and A. Wills. 1995. Catalysis: Practical rigor and refinement. In *Fusion in Real World*, edited by Coleman, D., et al. Englewood Cliffs, N.J.: Prentice Hall.
- [D'Souza95b] D'Souza, D., and A. Wills. 1995. OOA/D and Corba/IDL: A Common Base. See: <http://www.iconcomp.com/papers/omg-ooa-d/OMG-OOA-D-rfi.frm.html>.
- [D'Souza96a] D'Souza, D. 1996. Advanced Modeling and Design for Java Systems Using Catalysis. In *OOPSLA Proceedings '96*. See also: <http://www.iconcomp.com/papers/modeling-design-for-java/index.htm>.
- [D'Souza96b] D'Souza, D. 1996. Interfaces, subtypes, and frameworks. *Journal of OO Programming*, 9(7). See also: <http://www.iconcomp.com/papers/interframeworks/Col2.frm.html>.
- [D'Souza97a] D'Souza, D., and A. Wills. 1997. Types and classes—A language independent view. *Journal of OO Programming*, 10(1). See also: <http://www.iconcomp.com/papers/Types-and-Classes/Col5.frm.html>.
- [D'Souza97b] D'Souza, D. 1997. Meaningful UML <<extensions>> using Catalysis. See: <http://www.iconcomp.com/papers/stereotypes-and-extensions/stereotype-fworks.pdf>.
- [D'Souza98] D'Souza, D. 1998. Interfaces, collaborations, refinements, and frameworks in Catalysis. *Software Development*, March; *Journal of OO Programming*, May. See also: <http://www.iconcomp.com/papers/catalysis-overview/catalysis-overview.pdf>.
- [EJB] Enterprise JavaBeans. See: www.javasoft.com.
- [Embley91] Embley, D., et al. 1991. *Object-Oriented Systems Analysis: A Model-Driven Approach*. Englewood Cliffs, N.J.: Prentice Hall.
- [Fowler97] Fowler, M. 1997. *Analysis Patterns: Reusable Object Models*. Reading, Mass.: Addison Wesley Longman.
- [Fowler98] Fowler, M., and K. Scott. 1998. *UML Distilled: Applying the Standard Object Modeling Language*. Reading, Mass.: Addison Wesley Longman.
- [Gamma95] Gamma, E., et al. 1995. *Design Patterns: Elements of Reusable Object-Oriented Software*. Reading, Mass.: Addison Wesley Longman.
- [Goguen90] Goguen, J. A. and D. Wolfram. 1990. On Types and FOOPS. *Proceedings of Conference on Database Semantics*, July.
- [Goldberg95] Goldberg, A., and K. S. Rubin. 1995. *Succeeding with Objects: Decision Frameworks for Project Management*. Reading, Mass.: Addison Wesley Longman.
- [Gosling96] Gosling, J., et al. 1996. *The Java Language Specification*. Reading, Mass.: Addison Wesley Longman.
- [Gregor97] Gregor, K. 1997. Aspect-Oriented Programming. See: <http://www.parc.xerox.com/spl/projects/aop/>.
- [Gries95] Gries, D., and F. B. Schneider, Eds. 1995. *First-Order Logic and Automated Theorem Proving*, 2d ed. New York: Springer-Verlag.
- [Gutttag90] In Horning, J. J., and J. Gutttag, 1990. Larch in five easy pieces, Digital SRC Research Report 5.
- [Harrison93] Harrison, W., and H. Osher. 1993. Subject-Oriented Programming (A Critique of Pure Objects). In *OOPSLA Proceedings '93*.
- [Helm90] Helm, Richard, I. M. Holland, and D. Gangopadhyay. 1990. Contracts: Specifying behavioral compositions in object-oriented systems. In *Proceedings of OOPSLA/*

- ECOOP '90*—Conference on Object-Oriented Programming Systems, Languages, and Application, October, pp. 169–180.
- [Holt83] Holt, A. W., H. R. Ramsey, and J. D. Grimes. 1983. Coordination system technology as the basis for a programming environment. *Electrical Communication*, 57(4).
- [IDEF0] Integration Definition for Function Modeling. 1993 (Dec. 21). FIPS Publication No. 183, Computer Systems Laboratory, National Institute of Standards and Technology, Gaithersburg, MD.
- [Jacobson92] Jacobson, I., et al. 1992. *Object-Oriented Software Engineering*. New York: ACM Press.
- [Jacobson94] Jacobson, I. 1994. *The Object Advantage*. Reading, Mass.: Addison Wesley Longman.
- [JacksonD95] Jackson, D. 1995. Structuring Z Specifications with Views. In *ACM Transactions on Software Engineering and Methodology*, October, pp. 365–389.
- [JacksonM95] Jackson, M. 1995. Designations. In *Software Requirements and Specification: A Lexicon of Practice, Principles, and Prejudices*. Reading, Mass.: Addison Wesley Longman.
- [Jackson96] Jackson, M., with Pamela Zave. 1996. Where do operations come from? A multiparadigm specification technique. *IEEE Transactions on Software Engineering*, 22(7):508–528.
- [Johnson91] Johnson, R., and V. Russo. 1991. Reusing Object-Oriented Designs. University of Illinois, TR UMCDCS 91-1696.
- [Jones86] Jones, C. B. 1986. *Systematic Software Development Using VDM*. Englewood Cliffs, N.J.: Prentice Hall.
- [Jones93] Jones, C. B. 1993. An Object-Based Design Method for Concurrent Programs. Manchester University, TR UMCS-92-12-1.
- [Jordan97] Jordan, M., and M. Van De Vanter. 1997. Modular System Building with Java Packages. In *Proceedings Eighth Conference on Software Engineering Environments*, pp. 155-163. Cottbus, Germany, 8–9 April.
- [Knuth84] Knuth, D. 1984. Literate Programming. *The Computer Journal*, 27(2): 97–111.
- [Kurki-Suonio90] Kurki-Suonio, R., et al. 1990. Object-Oriented Specification of Reactive Systems. In *Proceedings of the International Conference of Software Engineering*.
- [Lano95] Lano, K. 1995. *Formal Object-Oriented Development*. New York: Springer.
- [Larman97] Larman, C. 1997. *Applying UML and Patterns: An Approach to Object-Oriented Analysis and Design*. Englewood Cliffs, N.J.: Prentice Hall.
- [Lea95] Lea, D., and J. Marlowe. 1995. PSL: Protocols and Pragmatics for Open Systems. In *Proceedings ECOOP '95*.
- [Lea97] Lea, D. 1997. *Concurrent Programming in Java: Design Principles and Patterns*. Reading, Mass.: Addison Wesley Longman.
- [Liskov91] Liskov, B., and J. Wing. 1991. Type conformance. In *Proceedings ECOOP '91*. New York: Springer.
- [Logic91] See, for example, Jones, C. B., et al. 1991. *MURAL: A Formal Development Support System*. New York: Springer.

- [Luckham95] Luckham, D. C., J. J. Kenney, L. M. Augustin, J. Vera, D. Bryan, and W. Mann. 1995. Specification and analysis of system architecture using Rapide. *IEEE Transactions on Software Engineering*, 21(4).
- [Manna92] Manna, Z., and A. Pnueli. *The Temporal Logic of Reactive and Concurrent Systems: Specification*. New York: Springer-Verlag.
- [Martin95] Martin, R. 1995. *Designing Object-Oriented Applications Using the Booch Method*. Englewood Cliffs, N.J.: Prentice Hall.
- [McConnell96] McConnell, S. 1996. *Rapid Development: Taming Wild Software Schedules*. Redmond, Wash.: Microsoft Press.
- [Meyer88] Meyer, B. 1988. *Object-Oriented Software Construction*. Englewood Cliffs, N.J.: Prentice Hall.
- [Mikhajlova97] Mikhajlova, A., and E. Sekerinski. 1997. Class Refinement and Interface Refinement in Object-Oriented Programs. See: <http://ece.eng.mcmaster.ca/faculty/sekerinski/classinterfaceref/fme97.ps.gz>.
- [Mural91] Jones, C.B., et al. 1991. *MURAL: A Formal Development Support System*. New York: Springer.
- [Nerson94] Nerson, J., and K. Walden. 1994. *Seamless Object-Oriented Architecture: Analysis and Design of Reliable Systems*. Englewood Cliffs, N.J.: Prentice Hall.
- [Odell92] Odell, J. J., with J. Martin. 1991. *Object-Oriented Analysis and Design*. Englewood Cliffs, N.J.: Prentice Hall.
- [PLoP] 1995–1998. *Pattern Languages of Program Design* conference series. Reading, Mass.: Addison Wesley Longman.
- [Reenskaug95] Reenskaug, T., P. Wold, and O. A. Lehne. 1995. *Working with Objects: The OOram Software Engineering Method*. Greenwich, CT: Manning Publications.
- [Reil96] Reil, A. J. 1996. *Object-Oriented Design Heuristics*. Reading, Mass.: Addison Wesley Longman.
- [Rumbaugh91] Rumbaugh, J., et al. 1991. *Object-Oriented Modeling and Design*. Englewood Cliffs, N.J.: Prentice Hall.
- [Rummler90] Rummler, G. A., and A. P. Brache. 1990. *Improving Performance—How to Manage the White-Space on the Organization Chart*. San Francisco: Jossey-Bass.
- [Saini96] Saini, A., and D. Musser. 1996. *STL Tutorial and Reference Guide: C++ Programming with the Standard Template Library*. Reading, Mass.: Addison Wesley Longman.
- [Selic94] Selic, B., et al. 1994. *Real-Time Object-Oriented Modeling*. New York: John Wiley and Sons.
- [Shaw96a] Shaw, M., and D. Garlan. 1996. *Software Architecture: Perspectives on an Emerging Discipline*. Englewood Cliffs, N.J.: Prentice Hall.
- [Shaw96b] Shaw, M., and D. Garlan. 1996. Formulations and Formalisms in Software Architecture. In *Computer Science Today: Recent Trends and Developments*, pp. 307–323, Jan van Leeuwen, Ed. New York: Springer-Verlag.
- [Shlaer88] Shlaer, S., and S. Mellor. 1988. *Object-Oriented Systems Analysis: Modeling the World of Data*. Englewood Cliffs, N.J.: Prentice Hall.
- [Shlaer92] Shlaer, S., and S. Mellor. 1992. *Object Life Cycles: Modeling the World in States*. Englewood Cliffs, N.J.: Prentice Hall.

- [STL96] Standard Template Library, Programmer's Guide. See: <http://www.sgi.com/Technology/ STL/>.
- [Spivey92] Spivey, J. M. 1992. *The Z Notation*. Englewood Cliffs, N.J.: Prentice Hall.
- [Stapleton97] Stapleton, J. 1997. *DSDM: Dynamic Systems Development Method*. Reading, Mass.: Addison Wesley Longman.
- [Szyperski98] Szyperski, C. 1998. *Component Software: Beyond Object-Oriented Programming*. Reading, Mass.: Addison Wesley Longman.
- [Taligent94] Taligent, Inc. 1994. *Taligent's Guide to Designing Programs: Well-Managed Object-Oriented Design in C++*. Reading, Mass.: Addison Wesley Longman.
- [UML] UML specs, OMG Web site. See: <http://www.omg.org>.
- [Utting92] Utting, M. 1992. An Object-Oriented Refinement Calculus with Modular Reasoning, Ph.D. thesis, University of New South Wales, Kensington, Australia. See also: <http://www.cs.waikato.ac.nz/~marku/phd.ps.gz>.
- [Wills91] Wills, A. C. 1991. Application of Formal Methods to OO Programming. Ph.D. thesis. See: <http://www.trireme.com/catalysis/fresco/specific.pdf>.
- [Wills93] Wills, A. 1993. Refinement in Fresco. In *Case Studies in OO Refinement*, K. Lano, Ed. Englewood Cliffs, N.J.: Prentice Hall. See also: <http://www.trireme.com/fresco/refinement.pdf>.
- [Wills95a] Wills, A. C. 1995. Abstract Realism. In *Object Expert*. See: <http://www.trireme.com/trireme/papers/20absreal/>.
- [Wills95b] Wills, A. C. 1995. Conform or die. In *Object Expert*. See: <http://www.trireme.com/catalysis/3conform.pdf>.
- [Wills96a] Wills, A. C. 1996. Tricks with traits. In *Object Expert*. See: <http://www.trireme.com>.
- [Wills96b] Wills, A. C. 1996. Frameworks and component-based development. In *Proceedings of OO Information Systems*.
- [Wills97a] Wills, A. C., and D. D'Souza. 1997. Models and code: The connection. In *Handbook of Object Technology*. See: <http://www.trireme.com/catalysis/refinement2.pdf>.
- [Wills97–98] Wills, A. C. 1997, 1998. Components: Principles and Process. Paper presented at Unicom Seminar (London, 1997) and OT98 (Oxford, 1998). See also: <http://www.trireme.com/catalysis/cbdppt/>.
- [Wirfs-Brock90] Wirfs-Brock, R., B. Wilkerson, and L. Wiener. 1990. *Designing Object-Oriented Software*. Englewood Cliffs, N.J.: Prentice Hall.
- [Wong93] Wong, W. 1993. *Plug and Play Programming*. New York: M&T.