Collected Bibliography

[1] M. Abadi and L. Cardelli. A theory of primitive objects: Second-order systems. In *European Symposium on Programming*, LNCS 788, pages 1--25. Springer-Verlag, 1994.

[2] M. Abadi, L. Cardelli, B. Pierce, and G. Plotkin. Dynamic typing in a statically typed language. In *Transactions on Programming Languages and Systems*, 13(2):237--268, 1991.

[3] M.P. Atkinson, P.J. Bailey, K.J. Chisholm, W.P. Cockshott, and R. Morrison. An approach to persistent programming. *The Computer Journal*, 26(4):360-365, November 1983.

[4] A. Appel. Run-time tags aren't necessary. In *Lisp and Symbolic Computation*, 19(7):703--705, July 1989.

[5] M.P. Atkinson and R. Morrison. Orthogonal persistent object systems. *VLDB Journal*, 4(3):319-401, 1995.

[6] H.E. Bal, J.G. Steiner, and A.S. Tanenbaum. Programming languages for distributed computing systems. In *Computing Surveys*, 21(3):261-322, 1989.

[7] J. Bauman, C. Tscudin, J. Vitek, eds., *Proceedings of the 2nd ECOOP Workshop on Mobile Object Systems,* dpunkt, 1996.

[8] K. Bharat and L. Cardelli. Migratory applications. In *Proceedings of ACM Symposium on User Interface Software and Technology '95 (Pittsburgh, PA, Nov 1995)*, 1995.

[9] A. Birrel, M. Jones, and E. Wobber. A simple and efficient implementation for small databases. In *Proceedings of the 11th ACM Symposium on Operating Systems Principles*, November 1987.

[10] A. Birrell, G. Nelson, S. Owicki and E. Wobber. Network Objects. Digital SRC R 115, 1994.

[11] A. Black, N. Hutchinson, E. Jul, H. Levy, and L. Carter. Distribution and abstract types in Emerald. *IEEE Transactions on Software Engineering*, SE-13(1):65-76, January 1987.

[12] N.S. Borenstein. EMail With A Mind of Its Own: The Safe-Tcl Language for Enabled Mail. Technical Report, *First Virtual Holdings*, Inc., 1994.

[13] L. Cardelli. Obliq: A language with distributed scope. Technical report, Digital Equipment Corporation, Systems Research Center, May 1995.

[14] L. Cardelli. A language with distributed scope. *Computing Systems*, 8(1):27-59, Jan 1995.

[15] N. Carriero and D. Gelernter. LINDA in context. In *CACM*, 32(4), April 1989.

[16] A. Carzaniga, A. Fuggetta, G.P. Picco, and G. Vigna. Understanding Mobile Code Systems through Classification. Technical report, Politecnico di Milano, April 1996.

[17] A. Carzaniga, G.P. Picco, and G. Vigna. Designing Distributed Applications with Mobile Code Paradigms. Technical report, Politecnico di Milano, August 1996, submitted.

[18] A. Cheyer, P. R. Cohen, M. Wang and S. C. Baeg. An Open Agent Architecture ftp.ai.sri.com:/pub/papers/cheyer-aaai94.ps.gz, 1994.

[19] Colusa. Colusa Software White Paper. Omniware Technical Overview, http://www.cs.umbc.edu/agents/papers/omniware.ps, 1995.

[20] D.H. Craft. A study of pickling. *Journal of Object-Oriented Programming*, January 1993.

[21] D. Dean and D. S. Wallach. Security Flaws in the HotJava Web Browser, Princeton University, November 3, 1995.

[22] G.N. Dixon, S.K. Shrivastava, and G.D. Parrington. Managing persistent objects in Arjuna: A system for reliable distributed computing. In *Proceedings of the Second International Workshop on Persistent Object Systems: Their Design, Implementation and Use.* Universities of Glasgow and St Andrews, 1987.

[23] D. Duggan. Dynamic typing for distributed programming in polymorphic languages. Technical Report CS-94-36, University of Waterloo, Dept of Computer Science, December 1994.

[24] D. Duggan. Polymorphic methods with self types for ML-like languages. Technical Report CS-95-03, University of Waterloo, Department of Computer Science, 1995.

[25] M. Herlihy and B. Liskov. A value transmission method for abstract data types. *ACM Transactions on Programming Languages and Systems*, 4(4):527-551, October 1982.

[26] S. Franklin and A. Graesser. Is it an Agent, or just a Program? A Taxonomy for Autonomous Agents, http://www.msci.memphis.edu:80/~franklin/Agent-Prog.html, March 1996.

[27] General Magic. Telescript Language Reference. General Magic, October 1995.

[28] General Magic. “Telescript Technology: The Foundation of the Electronic Marketplace”, PR material from General Magic, 1994.

[29] General Magic. “Telescript Technology: Scenes from the Electronic Marketplace”, PR material from General Magic, 1994.

[30] M. R. Genesereth and S. P. Ketchpel. Software Agents. In *CACM*,37(7):48-53, July 1994.

[31] C. Ghezzi and M. Jazayeri. *Programming Language Concepts*. John Wiley & Sons, "third edition forthcoming", 1996.

[32] A. Goscinski. *Distributed Operating Systems: The Logical Design*. Addison-Wesley, 1991.

[33] J. Gosling and H. McGilton. The Java Language Environment: A White Paper. Technical report, Sun Microsystems, October 1995.

[34] R.S. Gray. Agent Tcl: A Transportable Agent System. In *Proceedings of the CIKM'95 Workshop on Intelligent Information Agents*, 1995.

[35] C. Hall, K. Hammond, S. Peyton-Jones, and P. Wadler. Type classes in {H}askell. In *ACM Transactions on Programming Languages and Systems*, 18(2):109--138, March 1996.

[36] R. Harper and Gregory Morrisett. Compiling polymorphism using intensional type analysis. In *Proceedings of Symposium on Principles of Programming Languages*, January 1995.

[37] C.G. Harrison, D.M. Chess, and A. Kershenbaum. Mobile Agents: Are They a Good Idea? Technical report, IBM Research Division - T.J. Watson Research Center, March 1995.

[38] M. Herlihy and Barbara Liskov. A value transmission method for abstract data types. In *ACM Transactions on Programming Languages and Systems*, 4(4):527--551, 1982.

[39] J. Hogg, Islands: Aliasing Protection in Object-Oriented Languages. In *Proc. OOPSLA ‘91.*

[40] B. Janssen and M. Spreitzer. ILU: Inter-language unification via object modules. Position paper for Workshop at OOPSLA, October 1995.

[41] D. Johansen, R. van Renesse, and F.B. Schneider. An Introduction to the TACOMA Distributed System-V1.0. TR 95-23, University of Tromsø and Cornell University, June 1995.

[42] E. Jul, H. Levy, N. Hutchinson and A. Black. Fine-grained mobility in the Emerald system. *ACM Transactions on Computer Systems*, 6(1), February 1988.

[43] K. Kato and T. Masuda. Persistent caching: An implementation technique for complex objects with object identity. *IEEE Trans. Software Engineering*, 18(7):631-645, Jul. 1992.

[44] K. Kato, A. Narita, S. Inohara, and T. Masuda. Distributed shared repository: A unified approach to distribution and persistency. In *Proc. 13th IEEE Int. Conf. on Distributed Computing Systems*, pp 20-29, May 1993.

[45] K. Kato, A. Ohori, T. Murakami, and T. Masuda. Distributed C language based on a higher-order remote procedure call technique. In *Advances in Software Science and Technology*, Volume 5, pp.119-143. Academic Press, 1993.

[46] T. Kielmann. Object-Oriented Programming with Objective Linda. In *Proc. First International Workshop on High Speed Networks and Open Distributed Platforms*, St. Petersburg (Russia), June 1995.

[47] G.N.C. Kirby, A.L. Brown, R.C.H. Connor, Q.I. Cutts, A. Dearle, V.S. Moore, R. Morrison, and D.S. Munro. The Napier88 standard library reference manual v2.2. TRFIDE/94/105, ESPRIT BRA, 6309 - FIDE2, 1994.

[48] F.C. Knabe Language Support for Mobile Agents. Technical Report ECRC-95-36. European Computer-Industry Research Centre, Munich, Germany, December 1995.

[49] C. Krumvieda. Distributed ML: Abstraction for Efficient and Fault-Tolerant Programming. PhD thesis, Cornell University, Ithaca, New York, August 1993.

[50] K. Kono, K. Kato, and T. Masuda. Smart remote procedure calls: Transparent treatment of remote pointers. In *Proc. 14th IEEE Conf. on Distributed Computing Systems*, Jun. 1994.

[51] K. Kono, K. Kato and T. Masuda. An implementation method of migratable distributed objects using an RPC technique integrated with virtual memory. In *Proc ECOOP'96*, 1996.

[52] X. Leroy. The ZINC experiment: an economical implementation of the ML language. Technical Report 117, INRIA, 1990.

[53] X. Leroy and M. Mauny. Dynamics in ML. In *Journal of Functional Programming*, 3(4):431--463, 1993.

[54] X. Leroy and P. Weiss. Dynamics in ML. In Proceedings of ACM Symposium on Functional Programming and Computer Architecture, 1991.

[55] A. Lingnau, O. Drobnik and P. Dömel, An HTTP-based Infrastructure for Mobile Agents. http://www.w3.org/pub/Conferences/WWW4/Papers/150/, December 1995

[56] B. Mathiske, F. Matthes, and J. W. Schmidt. On Migrating Threads. Technical report, Fachbereich Informatik, Universität Hamburg, 1994.

[57] B. Mathiske, F. Matthes, and J.W. Schmidt. Scaling database languages to higher-order distributed programming. In Paolo Atzeni and Val Tannen, editors, *Proceedings of the Fifth International Workshop on Database Programming Languages (Gubbio, Umbria, Italy, 6th-8th September 1995)*, Electronic Workshops in Computing. Springer-Verlag, 1996.

[58] F. Matthes, S. Müssig, and J. W. Schmidt. Persistent Polymorphic Programming in Tycoon: An Introduction. Fachbereich Informatik, Universität Hamburg, 1993.

[59] S. Matsuoka and S. Kawai. Using Tuple Space Communication in Distributed Object-Oriented Languages. In *Proc. OOPLSA'89*, September 1989.

[60] R. Milner, M. Tofte and R. Harper. The Definition of Standard ML. MIT Press, 1990.

[61] M. Mira da Silva and M. Atkinson. Combining mobile agents with persistent systems: Opportunities and challenges. In [7].

[62] M. Mira da Silva. *Models of Higher-order, Type-safe, Distributed Computation over Autonomous Persistent Object Stores*. PhD thesis, University of Glasgow, 1996. In preparation.

[63] M. Mira da Silva and M.P. Atkinson. Higher-order distributed computation over autonomous persistent stores. In *Proceedings of the Seventh International Workshop on Persistent Object Systems (Cape May, New Jersey, USA, May 29-31, 1996)*. Morgan Kaufmann Publishers, 1996.

[64] M. Mira da Silva, M.P. Atkinson and A. Black. Semantics for parameter passing in a type-complete persistent RPC. In *Proceedings of the 16th International Conference on Distributed Computing Systems (Hong-Kong, May, 1996)*. IEEE Computer Society Press, 1996.

[65] P. V. Mockapetris, Domain Names—Concepts and Facilities. In RFC 1034, DDN Network Information Center, SRI International, 1987.

[66] R. Morrison, A.L. Brown, R.C.H. Connor, Q.I. Cutts, A. Dearle, G.N.C. Kirby, and D.S. Munro. The Napier88 reference manual release 2.0. TR FIDE/94/104, 1994.

[67] D.S. Munro. *On the Integration of Concurrency, Distribution and Persistence*. PhD thesis, University of St Andrews, 1993.

[68] Jeppe Darnkjaer Nielsen, Transactions in mobile computing, CS TR95-2-11, DIKU 1995, ftp://ftp.diku.dk/diku/distlab/amigos/diku95-2-11.ps.gz.

[69] Object Management Group. *The Common Object Request Broker: Architecture and Specification CORBA*, 1995.

[70] A. Ohori and K. Kato. Semantics for communication primitives in a polymorphic language. In *Proc. 20th ACM Symp. on Principles of Programming Languages*, pp. 99-112, Jan. 1993.

[71] J.K. Ousterhout. Tcl and the Tk Toolkit. Addison-Wesley, 1994.

[72] S. Peyton-Jones, C. Hall, K. Hammond, W. Partain, and P. Wadler. The Glasgow Haskell compiler: a technical overview. In *Proceedings of the UK Joint Framework for Information Technology (JFIT) Technical Conference*, Keele, England, 1993.

[73] J. Postel, File Transfer Protocol, rfc959.

[74] "Project Mole", http://www.informatik.uni-stuttgart.de/ipvr/vs/projekte/mole.html.

[75] R. Riggs, J. Waldo, and A. Wollrath. Pickling state in the Java system. In *Proceedings of the 2nd Conference on Object-Oriented Technologies and Systems (June 17-21, 1996, Toronto, Ontario, Canada)*, 1996.

[76] F. Rouaix. A Web navigator with applets in CAML In *Fifth International World Wide Web Conference*, Paris, France, May 1996.

[77] J.W. Stamos and D.K. Gifford. Remote Evaluation. In *ACM Transactions on Programming Languages and Systems*, 12(4):537-565, October 1990.

[78] M. Strasser, J. Baumann, and F. Hohl. MOLE - a Java based mobile agent system. In [7].

[79] Sun Microsystems. The Java Language Specification, October 1995.

[80] "Specification of the KQML Agent-Communication Language", http://www.cs.umbc.edu/kqml/papers/, 1995.

[81] D. Tarditi, G. Morrisett, P. Cheng, C. Stone, R. Harper, and P. Lee.TIL: A type-directed optimizing compiler for ML. In *Proceedings of ACM SIGPLAN Conference on Programming Language Design and Implementation*, Philadelphia, Pennsylvania, May 1996. ACM Press.

[82] J. Tardo and L. Valente. Mobile Agents Security and Telescript. General Magic TR, 1995.

[83] A. Tolmach. Tag-free garbage collection using explicit type parameters. In *Proceedings of ACM Symposium on Lisp and Functional Programming*, pages 1--11, Orlando, Florida, 1994. ACM Press.

[84] C. F. Tschudin. An Introduction to the M0 Messenger Language. University of Geneva, Switzerland, September 1994, http://cui.unige.ch/pub/m0/m0-manual.ps.Z

[85] B. Thomsen et al. Facile Antigua Release Programming Guide. Technical Report ECRC-93-20, European Computer-Industry Research Centre, Munich, Germany, December 1993.

[86] G. van Rossum and J. de Boer. Interactively testing remote servers using the Python programming language. Technical report, CST Department, CWI, August 1993.

[87] J.Vitek. Secure Object Spaces. In [7].

[88] F. Wai. *Distributed Concurrent Persistent Programming Languages: An Experimental Design and Implementation*. PhD thesis, University of Glasgow, April 1988.

[89] R.Wahbe, S.Lucco, T.E. Anderson and S. L. Graham. Efficient software-based fault isolation. In *Proc. 14th ACM Symp. on Operating System Principles*, pp. 203-216, 1993.

[90] J.E. White. Mobile Agents. General Magic, 1995.

[91] J.E. White. Mobile agents. In J. Bradshaw, editor, *Software Agents*. MIT Press, 1996.

[92] A survey of Cognitive and Agent Architectures, http://ai.eecs.umich.edu/cogarch0/

[93] Guide to network resource tools-archie, http://www.earn.net/gnrt/archie.html.