Perdita Stevens' publications

March 1, 2006

This list aims to err on the side of completeness, and is mostly intended to sanity-check my bib file. If you want a copy of something listed here but not available from my home page, please mail me, `perdita@inf.ed.ac.uk`.

References

[1] Perdita Stevens and Colin Stirling. Practical model-checking using games. In *Proc. 4th International Conference on Tools and Algorithms for Construction and Analysis of Systems, TACAS'98*, volume 1384 of *LNCS*, pages 85–101. Springer-Verlag, 1998.

[2] Perdita Stevens. Abstract games for infinite state processes. In *Proc. 9th International Conference on Concurrency Theory, CONCUR'98*, number 1466 in LNCS, pages 147–162. Springer-Verlag, 1998.

[3] Perdita Stevens. Abstract interpretations of games. In *Proc. 2nd International Workshop on Verification, Model Checking and Abstract Interpretation, VMCAI'98*, number CS98-12 in Venezia TR, 1998.

[4] Julian Bradfield and Perdita Stevens. Observational mu calculus. In *Proceedings of Workshop on Fixed Points in Computer Science, FICS'98*, pages 25–27, 1998.

[5] Perdita Stevens and Rob Pooley. Systems reengineering patterns. In *Proceedings of ACM-SIGSOFT* Foundations of Software Engineering 6, pages 17–23, November 1998. ISBN 1-58113-108-9.

[6] Perdita Stevens and Rob Pooley. Systems reengineering patterns. In *Object-Oriented Technology: ECOOP'98 Workshop Reader*, number 1543 in LNCS, page 85. Springer-Verlag, 1998. Only the abstract appears in the Reader.

[7] Perdita Stevens. Report of working group on reengineering patterns. In *Object-Oriented Technology: ECOOP'98 Workshop Reader*, number 1543 in LNCS, pages 89–93. Springer-Verlag, 1998.

[8] Perdita Stevens. Updating the software engineering curriculum at Edinburgh University. In Paul Klint and Jerzy T. Nawrocki, editors, *Proc. Software Engineering Education Symposium SEES'98*, pages 188–193. Scientific Publishers OWN, 1998.

[9] Rick Dewar, Ashley D. Lloyd, Rob Pooley, and Perdita Stevens. Identifying and communicating expertise in systems reengineering: a patterns approach. *IEE Proceedings Software*, 146(3):145–152, June 1999.

[10] Perdita Stevens with Rob Pooley. *Using UML: software engineering with objects and components*. Addison-Wesley Longman, 1999. Updated edition for UML1.3: first published 1998 (as Pooley and Stevens). The book has been translated into Chinese, Japanese, German, Dutch, and Spanish and has sold a total of over XX copies.

[11] Perdita Stevens. UML for describing product-line architectures? In *Proc. ECOOP Workshop on Object Technology for Product Line Architectures*, pages 109–118. European Software Institute, 1999.

[12] Andy Evans, Robert B. France, Guy Genilloud, Brian Henderson-Sellers, and Perdita Stevens. Aggregation. In *Object-Oriented Technology, ECOOP'99 Workshop Reader, ECOOP'99 Workshops, Panels, and Posters, Lisbon, Portugal, June 14-18, 1999, Proceedings*, volume 1743 of *Lecture Notes in Computer Science*, pages 55–56. Springer, 1999.

[13] Perdita Stevens. A verification tool developer's vade mecum. *Software Tools for Technology Transfer*, 2(2):89–94, 1999. Invited paper, informally reviewed.

[14] Perdita Stevens. Some issues in the software engineering of verification tools. In W. R. Cleaveland, editor, *Proc. 5th International Conference on Tools and Algorithms for Construction and Analysis of Systems, TACAS'99*, volume 1579 of *LNCS*, pages 435–438, 1999. Invited position paper for panel discussion: unreviewed.

[15] Faron Moller and Perdita Stevens. Edinburgh Concurrency Workbench user manual (version 7.1). Available from http://www.dcs.ed.ac.uk/home/cwb/.

[16] Perdita Stevens. Website wanderer: software design patterns. *Computing and Control Engineering Journal*, 11(4):160–162, 2000. Invited column for Special Informatics Issue.

[17] Perdita Stevens. Small-scale XMI programming: a revolution in UML tool use? In *Proc. XML Software Engineering*, pages 1–4, May 2001.

[18] Perdita Stevens. On use cases and their relationships in the Unified Modelling Language. In *Proc. Fundamental Approaches to Software Engineering*, number 2029 in LNCS, pages 140–155. Springer-Verlag, April 2001.

[19] Martin Leucker, Thomas Noll, Perdita Stevens, and Michael Weber. Functional programming languages for verification tools: experiences with ML and Haskell. In *Proceedings of Scottish Functional Programming Workshop*, pages 69–80, 2001. Informally reviewed.

[20] Perdita Stevens. On associations in the Unified Modelling Language. In *Proc. 4th International Conference on the Unified Modeling Language, UML2001*, number 2185 in LNCS, pages 361–375. Springer-Verlag, October 2001.

[21] Julian Bradfield, Juliana Kuester Filipe, and Perdita Stevens. Enriching OCL using observational mu-calculus. In *Proc. Fundamental Approaches to Software Engineering*, number 2306 in LNCS, pages 203–217. Springer-Verlag, April 2002.

[22] Luciana d'Adderio, Rick Dewar, Ashley Lloyd, and Perdita Stevens. Has the pattern emperor any clothes? *Software Engineering Notes*, 27(1):31–35, January 2002.

[23] Joost-Pieter Katoen and Perdita Stevens, editors. *Proceedings of the 8th International Conference on Tools and Algorithms for Construction and Analysis of Systems (TACAS 2002)*, number 2280 in LNCS. Springer, 2002.

[24] Perdita Stevens. *Advances in Software Maintenance Management: Technologies and Solutions*, chapter Patterns in software maintenance: learning from experience. Idea Group Publishing, 2002.

[25] Catherine Canevet, Stephen Gilmore, Jane Hillston, and Perdita Stevens. Performance modelling with UML and stochastic process algebras. In *Proceedings of UK Performance Engineering Workshop*, May 2002.

[26] Perdita Stevens. On the interpretation of binary associations in the unified modelling language. *Journal of Software and Systems Modeling (SoSyM)*, 1(1):68–79, September 2002.

[27] Perdita Stevens. Small-scale XMI programming: a revolution in UML tool use? *Journal of Automated Software Engineering*, 10(1):7–21, January 2002. Extended journal version of [17].

[28] Perdita Stevens. Playing games with software design. In *Coordination Models and Languages, 5th International Conference, COORDINATION 2002, YORK, UK, April 8-11, 2002, Proceedings*, volume 2315 of *Lecture Notes in Computer Science*, page 1. Springer, 2002.

[29] Arie van Deursen, Timothy Lethbridge, and Perdita Stevens. Panel introduction. In *18th International Conference on Software Maintenance (ICSM 2002), Maintaining Distributed Heterogeneous Systems, 3-6 October 2002, Montreal, Quebec, Canada*, page 248. IEEE Computer Society, 2002.

[30] Perdita Stevens. Refinement in z and object-z: foundations and advanced applications. *Softw. Test., Verif. Reliab.*, 12(1):61, 2002.

[31] Catherine Canevet, Stephen Gilmore, Jane Hillston, Matthew Prowse, and Perdita Stevens. Performance modelling with UML and stochastic process algebras. *IEE Proceedings: Computers and Digital Techniques*, 150(2):107–120, March 2003. Extended journal version of [25].

[32] Jennifer Tenzer and Perdita Stevens. Modelling recursive calls with UML state diagrams. In *Proc. Fundamental Approaches to Software Engineering*, number 2621 in LNCS, pages 135–149. Springer-Verlag, April 2003.

[33] Perdita Stevens. UML and concurrency. In *Proceedings of 10th International Workshop on Abstract State Machines*, number 2589 in LNCS, pages 151–165. Springer, March 2003. Invited paper, unreviewed.

[34] Perdita Stevens and Jennifer Tenzer. Games for UML software design. In *Proceedings of FMCO*, number 2852 in LNCS, pages 467–486, 2003.

[35] Hubert Baumeister, Nora Koch, Piotr Kosiuczenko, Perdita Stevens, and Martin Wirsing. Uml for global computing. In Corrado Priami, editor, *Global Computing. Programming Environments, Languages, Security, and Analysis of Systems, IST/FET International Workshop, GC 2003, Rovereto, Italy, February 9-14, 2003, Revised Papers*, volume 2874 of *Lecture Notes in Computer Science*, pages 1–24. Springer, 2003.

[36] Perdita Stevens, Jon Whittle, and Grady Booch, editors. *UML 2003 - The Unified Modeling Language, Modeling Languages and Applications, 6th International Conference, San Francisco, CA, USA, October 20-24, 2003, Proceedings*, volume 2863 of *Lecture Notes in Computer Science*. Springer, 2003.

[37] Elie Najm, Uwe Nestmann, and Perdita Stevens, editors. *Formal Methods for Open Object-Based Distributed Systems, 6th IFIP WG 6.1 International Conference, FMOODS 2003, Paris, France, November 19.21, 2003, Proceedings*, volume 2884 of *Lecture Notes in Computer Science*. Springer, 2003.

[38] Catherine Canevet, Stephen Gilmore, Jane Hillston, Leila Kloul, and Perdita Stevens. Analysing UML2.0 activity diagrams in the software performance engineering process. In *Proceedings of the Fourth International Workshop on Software and Performance, Redwood Shores, California, USA*, pages 74–78. ACM Press, January 2004.

[39] Joost-Pieter Katoen and Perdita Stevens. Guest editors' introduction: Advancements and extensions of verification techniques. *STTT*, 6(2):99–101, 2004.

[40] Perdita Stevens. A practical introduction to games, infinity and the edinburgh concurrency workbench. In Stephan Reiff-Marganiec and Mark Ryan, editors, *Proc. International Conference on Feature Interaction*, pages 35–36. IOS Press, 2005.

[41] Martin Leucker, Thomas Noll, Michael Weber, and Perdita Stevens. Functional programming languages for verification tools: A comparison of standard ML and Haskell. *Software Tools for Technology Transfer*, 7(2):184–194, April 2005. Extended journal version of [19].

[42] Perdita Stevens. Changing notions of trust and compliance: their implications for personalisation of ehealth systems for maternity care. In Floriana Grasso, Alison Cawsey, Cécile Paris, Silvana Quaglini, and Ross Wilkinson, editors, *Proc. Workshop on Personalisation for E-Health, at 10th International Conference on User Modeling, Edinburgh, UK 24th-29th July 2005*, pages 71–74, 2005.

[43] Jennifer Tenzer and Perdita Stevens. On modelling recursive calls and callbacks with two variants of unified modelling language state diagrams. *Formal Aspects of Computing*, 18(2?):?, May? 2006. to appear.