

Dr. Piotr Kosiuczenko

List of publications

- 1 Joint paper with A. Zawlocki,, G. Marczynski: Property Preserving Redesign of Specifications. CALCO'05 Conference, Swansea, LNCS, 2005, 16 pages, to appear.
- 2 P. Kosiuczenko. Proof Transformation via Interpretation Functions: Results, Problems and Applications, Proceedings of the SETra'04 workshop, Rome, 2004, ENTCS, 127(3), 2005, pp. 139-145.
- 3 P. Kosiuczenko. Redesign of Class Diagrams: a Formal Approach. Submitted for publication. 34 pages.
- 4 P. Kosiuczenko. Partial Order Semantics of Sequence Diagrams for Mobility. In S. Leue, T. Systs (eds.): Scenarios: Models, Transformations and Tools. LNCS 3466, 2005, pp. 212-227.
- 5 P. Kosiuczenko. Proof Transformation via Compositional Functions. Technical Report No. 2004/27, 2004, 18 pages.
- 6 P. Kosiuczenko. Proof Transformation via Interpretation Functions: Results, Problems and Applications. Accepted for publication in ENTCS, 2005.
- 7 **Invited paper:** H. Baumeister, N. Koch, P. Kosiuczenko, P. Stevens, M. Wirsing: UML for Global Computing. C. Priami, D. Sannella (eds.): Global Computing. LNCS 2874, Springer, Berlin, 2003.
- 8 **Invited paper:** L. Andrade, H. Baumeister, A. Corradini, R. DeNicola, J. Fiadeiro, S. Gnesi, N. Koch, P. Kosiuczenko, A. Lopes, U. Montanari, A. Tarlecki, M. Wermelinger, M. Wirsing: AGILE: Software Architectures for Mobility. R. Hennicker, D. Pattinson, M. Wirsing. Recent Trends in Algebraic Development Techniques, 16th International Workshop, WADT'02, Frauenchiemsee, Germany, September 2002; Selected Papers. LNCS 2755, Springer, Berlin, 2003.
- 9 P. Kosiuczenko. Sequence Diagrams for Mobility. Krogstie J. (ed.): Advanced Conceptual Modeling Techniques: ER 2002 Workshops, ECDM, MobIMod, IWCMQ, and eCOMO, Tampere, Finland, October 7-11, 2002, LNCS 2784, Springer, Berlin, 12 pages, 2003.
- 10 H. Baumeister, N. Koch, P. Kosiuczenko, M. Wirsing. Extending Activity Diagrams to Model Mobile Systems. M. Aksit, M. Mezini, R. Unland (eds.): Objects, Components, Architectures, Services, and Applications for a NetworkedWorld, selected papers of the NetObjectDays Conference, LNCS 2591, Springer 2002, pp. 278 -293.
- 11 P. Kosiuczenko. Diagrams for Modelling of Mobile Objects Behaviour. Technische Bericht, Nr 0203, Institut für Informatik, LMU, München, 27.03.2002, 16 pages.
- 12 P. Kosiuczenko. Formal Redesign of UML Class Diagrams. A. Evans, R. France, A. Moreira, B. Rumpe (eds): Proc. of pUML Workshop on Practical UML-Based Rigorous Development Methods, 1'st October. Lecture Notes in Informatics, GI-Edition, Bonner Köllen Verlag, 2001.
- 13 P. Kosiuczenko. Towards a Formal Notion of Redesign. Workshop on Integrating Diagrammatic and Formal Specification Techniques, in proc. of Wirtschaft und Wissenschaft in der Network Economy, Tagungsband der GI/OCG-Jahrestagung, K. Bauknecht, W. Brauer, Th. Mück (eds.), Viena, 25.09. 2001.
- 14 P. Kosiuczenko. Redesign of UML Class Diagrams: A Formally Founded Approach. Technical Report Nr 0102, Institut für Informatik, Ludwig-Maximilians-Universität, München, 1.02.2001, 16 pages.

- 15 P. Kosiuczenko, M. Wirsing. On the Semantics of Message Sequence Charts: an Algebraic Approach. To appear.
- 16 P. Kosiuczenko, M. Wirsing. Towards an Integration of Message Sequence Charts and Timed Maude. *Journal of Integrated Design & Process Science*, vol. 15(1), 2001, pp. 23-43.
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- 19 P. Kosiuczenko. Partially Commutative Monoids and Message Sequence Charts. *Proceedings of the workshop on: Requirements, Design, Correct Construction and Verification*. M.V. Cengarle (ed.). Reihe Softwaretechnik 11, Verlag UNI-Druck, München 2000, pp. 63-72.
- 20 J. Steggles, P. Kosiuczenko. A Formal Model for SDL Specification Based on Timed Rewriting Logic. *Automated Software Engineering*, Volume 7(1), Kluwer, 2000, pp. 59-88.
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- 22 P. Kosiuczenko, M. Wirsing. Formalizing and Executing Message Sequence Charts via Timed Rewriting. *Proceedings of the 1998 Monterey Workshop on Engineering Automation for Computer Based Systems*, Technical Report NPS-CS-99-002, Naval, Postgraduate School, Monterey, CA, April 1999, pp. 93 -104.
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- 29 P. Olveczky, P. Kosiuczenko, M. Wirsing. An Object-Oriented Algebraic Steam-Boiler Control Specification. Technical Report Nr. 9701. Institut für Informatik, Ludwig-Maximilians-Universität, München, 1997, 42 pages.

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- 31 **Invited paper:** P. Kosiuczenko, M. Wirsing. Timed Rewriting Logic with Applications to Time-Sensitive Systems. H. Schwichtenberg (ed.): Logic of Computation, Computer and System Science, Vol. 157, Springer 1997, pp. 229-264.
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- 37 A. Zendler, W. Hesse, S. Gastinger, P. Kosiuczenko. Advanced concepts, live cycle models and tools for object-oriented software development. Tekton Marburg, 1997, 270 pages.
- 38 A. Zendler, W. Hesse, F. Nickl, P. Kosiuczenko, S. Da Silva. Object-Oriented Real-Time IT Questionnaire. FAST-Bericht Nr. 96-01, Januar 1996. Forschungsinstitut für Angewandte Software-Technologie (FAST) e.V., 1996, 7 pages.
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