

# PUBLIKATIONSLISTE PROF. DR. STEFAN HENKLER

Stand: September 2015

## Veröffentlichungen, PC-Mitgliedschaften, Organisationen

Über 75 national und international begutachtete wissenschaftliche Beiträge auf dem Gebiet der modellgetriebenen Softwareentwicklung von eingebetteten und mechatronischen Systemen (siehe Veröffentlichungsliste). Co-Gutachter zahlreicher ICSE, FSE und weiterer Konferenzen. PC Mitgliedschaften und Organisationen: PC Mitglied auf der 1st International Conference on Software Testing, Verification, and Validation (Student Track), PC Mitglied auf der Fourth IFIP International Embedded Systems Symposium (IESS 2013), Organisation und Mitglied des PC auf dem dritten ENVISION Workshop im Rahmen der Software Engineering Konferenz, Organisation und Mitglied des PC auf der ARAMiS Special Session im Rahmen der IESS 2013, Organisation und PC Mitglied des vierten ENVISION Workshop im Rahmen der Software Engineering Konferenz, Organisation und PC Mitglied des Workshop on Emerging Ideas and Trends in Engineering of Cyber-Physical Systems (EITEC '14) im Rahmen der CPSWeek sowie Organisation und PC Mitglied des IFIP First International Workshop on Design Space Exploration of Cyber-Physical Systems (IDEAL'14) ebenfalls auf der CPSWeek. Organisation und Mitglied des PC auf dem fünften ENVISION Workshop im Rahmen der Software Engineering Konferenz. PC Mitglied der 12th IEEE International Conference on Embedded and Ubiquitous Computing (EUC 2014). Organisation und PC Mitglied des Workshop on Emerging Ideas and Trends in Engineering of Cyber-Physical Systems (EITEC '15) im Rahmen der CPSWeek 2015. Gutachter für die Zeitschrift Software and Systems Modeling (SoSyM, Springer).

## Auswahl

Henkler, S., Gezgin, T., Stierand, I. u. a.: Evaluation of a State-based Real-Time Scheduling Analysis Technique. In: International Conference on Industrial Informatics (INDIN2014), 2014.

Stierand, I., Malipatlolla, S., Fröschle, S. u. a.: Integrating the Security Aspect into Design Space Exploration of Embedded Systems. In: The 2nd IEEE International Workshop on Reliability and Security Data Analysis (RSDA 2014), 2014.

Brenner, C., Heinzemann, C., Schäfer, W. u. a.: Automata-Based Refinement Checking for Real-Time Systems. In: Proceedings of Software Engineering 2013 (SE 2013), 2013.

Henkler, S., Oberthür, S., Giese, H. u. a.: Model-Driven Runtime Resource Predictions for Advanced Mechatronic Systems with Dynamic Data Structures. In: International Journal of Computer Systems Science and Engineering No. 6 (2012). S. 1-16.

Heinzemann, C., Henkler, S.: Reusing Dynamic Communication Protocols in Self-Adaptive Embedded Component Architectures. In: Proceedings of the 14th International Symposium on Component Based Software Engineering (CBSE-2011), June 2011.

Henkler, S., Hirsch, M., Priesterjahn, C. u. a.: Modeling and Verifying Dynamic Communication Structures based on Graph Transformations. In: Software Engineering 2010 - Fachtagung des GI-Fachbereichs Softwaretechnik, 22.- 26.2.2010, Paderborn, Lecture Notes in Informatics (LNI), Band 159 , 2010, S. 153-164.

Eckardt, T., Henkler, S.: Component Behavior Synthesis for Critical Systems. In: Proceedings of the 1st International Symposium on Architecting Critical Systems (ISARCS), Springer 2010, pp. 81-96.

Giese, H., Henkler, S., Hirsch, M.: A Multi-Paradigm Approach Supporting the Modular Execution of Reconfigurable Hybrid Systems. In: Transactions of the Society for Modeling and Simulation International, December 2010. pp. 528-566.

# PUBLIKATIONSLISTE PROF. DR. STEFAN HENKLER

Stand: September 2015

Henkler, S., Meyer, J., Schäfer, W. u. a.: Legacy Component Integration by the Fujaba Real-Time Tool Suite. In: Proceedings of the 32nd International Conference on Software Engineering (ICSE 2010), May 2-8, 2010, Cape Town, South Africa. IEEE Computer Society, May 2010 (Washington, DC, USA), pp. 615-618.

Henkler, S., Greenyer, J., Hirsch, M. u. a.: Synthesis of Timed Behavior From Scenarios in the Fujaba Real-Time Tool Suite. In: Proc. of the 31th International Conference on Software Engineering (ICSE), May 2009. pp. 615-618, Vancouver, Canada.

Giese, H., Henkler, S., Hirsch, M.: Combining Compositional Formal Verification and Testing for Correct Legacy Component Integration in Mechatronic UML. In: Architecting Dependable Systems V, LNCS. eds. de Lemos, R., Di Giandomenico, F., Gacek, C., Muccini, H., Vieira, M.. vol. 5135, Springer Verlag 2008. pp. 248-273.

Burmester, S., Giese, H., Henkler, S. u. a.: Tool Support for Developing Advanced Mechatronic Systems: Integrating the Fujaba Real-Time Tool Suite with CAMeL-View. In: Proc. of the 29th International Conference on Software Engineering (ICSE), IEEE Computer Society Press, May 2007. pp. 801-804, Minneapolis, Minnesota, USA.

Axenath, B., Henkler, S.: Ein verbessertes Softwaretechnikpraktikum: zwischen grüner Wiese und Legacy-Systemen. In: Software Engineering im Unterricht der Hochschulen, SEUH 10, 22. und 23. Februar 2007, Stuttgart, Germany: dpunkt 2007. pp. 13-26.

## Alle Veröffentlichungen

Henkler, S., Rettberg, A., Stierand, I. u. a.: CYBER-PHYSICAL SYSTEMS ENGINEERING: DESIGN SPACE EXPLORATION, EMERGING IDEAS, AND TRENDS Springer – IFIP Advances in Information and Communication Technology, 2015, to appear.

Henkler, S., Gezgin, T., Stierand, I. u. a.: Evaluation of a State- based Real-Time Scheduling Analysis Technique. In: International Conference on Industrial Informatics (INDIN2014), 2014.

Gezgin, T., Henkler, S., Stierand, I. u. a: Impact Analysis for Timing Requirements on Real-Time Systems. In: The 20th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2014), 2014.

Stierand, I., Malipatlolla, S., Fröschle, S. u. a.: Integrating the Security Aspect into Design Space Exploration of Embedded Systems. In: The 2nd IEEE International Workshop on Reliability and Security Data Analysis (RSDA 2014), 2014.

Weber, R., Henkler, S., Rettberg, A.: Multi-Objective Design Space Exploration for Cyber-Physical Systems satisfying hard Real-Time and Reliability Constraints. In: Proceedings of IDEAL'14 Workshop, 2014.

Weber, R., Thaden, E., Henkler, S. u. a.: Design Space Exploration for an industrial Lane-Keeping-Support Case Study. In: Proceedings of DATE Conference - University Booth, 2014.

Bender, O., Böhm, W., Henkler, S. u. a.: 4. Workshop zur Zukunft der Entwicklung softwareintensiver eingebetteter Systeme (ENVISON2020). Software Engineering 2014.

Etzien, C., Gezgin, T., Fröschle, S. u. a.: Contracts for Evolving Systems. Self-Organizing Real-Time Systems 2013, 2013.

Gezgin, T., Henkler, S., Rettberg, A. u. a.: Contract-Based Compositional Scheduling Analysis for Evolving Systems. International Embedded Systems Symposium 2013, 2013.

# PUBLIKATIONSLISTE PROF. DR. STEFAN HENKLER

Stand: September 2015

Büker, M., Damm, W., Ehmen, G. u. a.: A Design Space Exploration Tool Demonstration for Automotive Systems. In: DAC 2013, 2013.

Bender, O., Böhm, W., Henkler, S. u. a.: 3. Workshop zur Zukunft der Entwicklung softwareintensiver eingebetteter Systeme (ENVISION2020). Software Engineering 2013.

Gezgin, T., Stierand, I., Henkler, S. u. a.: State-based scheduling analysis for distributed real-time systems. In: Design Automation for Embedded Systems, July 2013.

Reinkemeier, P., Ittershagen, P., Stierand, I. u. a.: Seamless Segregation for Multi-Core Systems. In: Technical Report, OFFIS, 2013.

Büker, M., Ehmen, G., Henkler, S. u. a.: From Matlab-Simulink to Distributed Embedded Applications: An Automotive Tool Demonstration. DATE 2013, 2013.

Büker, M., Henkler, S., Schlegel, S.: A Design Space Exploration Framework for Model-Based Embedded System Development. In: ENVISION Workshop 2013 im Rahmen der SE 2013, 2013.

Gezgin, T., Henkler, S., Rettberg, A. u. a.: Contract-based Compositional Scheduling Analysis for Evolving Systems. In: IESS 2013, 2013.

Büker, M., Damm, W., Ehmen, G. u. a.: From Specification Models to Distributed Embedded Applications: A Holistic User-Guided Approach. In: SAE 2013 World Congress, 2013.

Eckardt, T., Heinemann, C., Henkler, S. u. a.: Modeling and verifying dynamic communication structures based on graph transformations. In: Computer Science - Research and Development 28(1), Feb (2013), pp. 3-22.

Brenner, C., Heinemann, C., Schäfer, W. u. a.: Automata- Based Refinement Checking for Real-Time Systems. In: Proceedings of Software Engineering 2013 (SE 2013), 2013.

Henkler, S.: Ein komponentenbasierter, modellgetriebener Softwareentwicklungsansatz für vernetzte, mechatronische Systeme. PhD Thesis, 2012.

Henkler, S.: Der SPES 2020-Architektur-Modellierungsansatz. In: GI-Konferenz Architekturen 2012, 2012.

Gezgin, T., Henkler, S., Rettberg, A. u. a.: Abstraction Techniques for Compositional State-based Scheduling Analysis. In: Brazilian Symposium on Computing System Engineering, 2012.

Broy, M., Damm, W., Henkler, S. u. a.: Introduction to the SPES Modeling Framework, Model-Based Engineering of Embedded Systems. Springer 2012.

Weber, R., Reinkemeier, P., Henkler, S. u. a.: Technical Viewpoint, Model-Based Engineering of Embedded Systems. Springer 2012.

Henkler, S., Oberthür, H., Giese, A. u. a.: Model-Driven Runtime Resource Predictions for Advanced Mechatronic Systems with Dynamic Data Structures. International Journal of Computer Systems Science and Engineering Nr. 6, December (2012). S. 1-16.

Gezgin, T., Etzien, C., Henkler, S. u. a.: Towards a Rigorous Modeling Formalism For Systems of Systems. In: Proceedings of the Third IEEE Workshop on Self-Organizing Real-Time Systems - SORT, April 2012.

# PUBLIKATIONSLISTE PROF. DR. STEFAN HENKLER

Stand: September 2015

Eckardt, T., Heinzemann, C., Henkler, S. u. a.: Modeling and Verifying Dynamic Communication Structures based on Graph Transformations. In: Computer Science - Research and Development, Springer Berlin / Heidelberg, July 2011. pp. 1-20. 10.1007/s00450-011-0184-y.

Heinzemann, C., Henkler, S.: Reusing Dynamic Communication Protocols in Self-Adaptive Embedded Component Architectures. In: Proceedings of the 14th International Symposium on Component Based Software Engineering (CBSE-2011). June 2011.

Heinzemann, C., Henkler, S.: Timed Story Driven Modeling. In: Tech. Rep., no. tr-ri-11-326. Software Engineering Group, Heinz Nixdorf Institute July 2011.

Weber, R., Henkler, S., Rettberg, A.: Low-Level Space Optimization of an IDCT/FDCT Implementation for a Bit-Serial Fully Pipelined Architecture. In: The 13th IASTED International Conference on Signal and Image, 2011.

Reinkemeier, P., Stierand, I., Rehkop, P. u. a.: A pattern-based requirement specification language: Mapping automotive specific timing requirements. In: Software Engineering 2011 Workshopband, 2011.

Baumgart, E., Böde, M., Büker, W. u. a.: Architecture Modeling. In: OFFIS Technical Report, 2011

Henkler, S., Hirsch, M., Priesterjahn, C. u. a.: Modeling and Verifying Dynamic Communication Structures based on Graph Transformations. In: Software Engineering 2010 - Fachtagung des GI-Fachbereichs Softwaretechnik, 22.- 26.2.2010, Paderborn, Lecture Notes in Informatics (LNI), Band 159 , 2010. S. 153-164.

Giese, H., Henkler, S., Hirsch, M.: A Multi-Paradigm Approach Supporting the Modular Execution of Reconfigurable Hybrid Systems. In: Transactions of the Society for Modeling and Simulation International, December 2010. pp. 528-566.

Eckardt, T. Henkler, S.: Component Behavior Synthesis for Critical Systems. In: ed. Holger Giese. Architecting Critical Systems, First International Symposium, ISARCS 2010, June 23-25, Prague, Czech Republic, Proceedings, Lecture Notes in Computer Science, vol. 6150, Springer-Verlag Berlin Heidelberg, 2010. pp. 52-71.

Priesterjahn, C., Tichy, M., Henkler, S. u. a.: Fujaba4Eclipse Real-Time Tool Suite. In: Model-Based Engineering of Embedded Real-Time Systems (MBEERTS). eds. Giese, H., Karsai, G., Lee, E., Rumpe, B., Schätz, B.. Lecture Notes in Computer Science (LNCS), vol. 6100, Springer, 2010. pp. 309-315.

Henkler, S., Meyer, J., Schäfer, W. u. a.: Legacy Component Integration by the Fujaba Real-Time Tool Suite. In: Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering, vol. 2, New York, NY, USA, ACM, May 2010. pp. 267-270.

Henkler, S., Oberthür, S., Giese, H. u. a.: Model-Driven Runtime Resource Predictions for Advanced Mechatronic Systems with Dynamic Data Structures. In: Proc. of 13th International Symposium on Object/component/service-oriented Real-time distributed Computing (ISORC), IEEE Computer Society Press, 5 2010. pp. 202-209.

Henkler, S., Hirsch, M., Priesterjahn, C. u. a.: Modeling and Verifying Dynamic Communication Structures based on Graph Transformations. In: eds. Engels, G., Luckey, M., Schäfer, W.. Software Engineering 2010 - Fachtagung des GI-Fachbereichs Softwaretechnik, 22.- 26.2.2010, Paderborn, Lecture Notes in Informatics (LNI), vol. 159, GI, 2010. pp. 153-164.

# PUBLIKATIONSLISTE PROF. DR: STEFAN HENKLER

Stand: September 2015

Heinzemann, C., Henkler, S., Hirsch, M.: Refinement Checking of Self-Adaptive Embedded Component Architectures. In: Tech. Rep., no. tr-ri-10-313. University of Paderborn March 2010

Henkler, S., Meyer, J., Schäfer, W. u. a.: Reverse Engineering mechatronischer Systeme. In: Seventh Paderborner Workshop Entwurf mechatronischer Systeme, HNI- Verlagsschriftenreihe, vol. 272, 2010. pp. 1-16.

Henkler, S., Meyer, J., Schäfer, W. u. a.: Reverse Engineering vernetzter automotiver Softwaresysteme. In: Proceedings of the Dagstuhl-Workshop: Model-Based Development of Embedded Systems (MBEES), 2010, Schloss Dagstuhl, Germany, Informatik-Bericht, Technische Universität Braunschweig. April 2010.

Eckardt, T., Henkler, S.: Synthesis of Reconfiguration Charts. In: Tech. Rep., no. tr-ri-10-314. Software Engineering Group January 2010.

Henkler, S., Breit, M., Brink, C. u. a.: FRiTSCab: Fujaba Re-Engineering Tool Suite for Mechatronic Systems. In: ed. Pieter Van Gorp, Proceedings of the 7th International Fujaba Days, November 2009. pp. 25-29, Eindhoven University of Technology, The Netherlands.

Adelt, P., Donoth, J., Gausemeier, J. u. a.: Selbstoptimierende Systeme des Maschinenbaus - Definitionen, Anwendungen, Konzepte. vol. Band 234, Paderborn: HNI-Verlagsschriftenreihe, 2009.

Heinzemann, C., Henkler, S., Zündorf, A.: Specification and Refinement Checking of Dynamic Systems. In: ed. Pieter Van Gorp, Proceedings of the 7th International Fujaba Days, Eindhoven University of Technology, The Netherlands, November 2009. pp. 6-10.

Eckardt, T., Henkler, S.: Synthesis of Component Behavior. In: ed. Pieter Van Gorp. Proceedings of the 7th International Fujaba Days, Eindhoven University of Technology, The Netherlands, November 2009. pp. 1-5.

Henkler, S., Greenyer, J., Hirsch, M. u. a.: Synthesis of Timed Behavior From Scenarios in the Fujaba Real-Time Tool Suite. In: Proc. of the 31th International Conference on Software Engineering (ICSE), May 2009, pp. 615-618, Vancouver, Canada.

Giese, H., Henkler, S., Hirsch, M.: A Multi-Paradigm Approach Supporting the Modular Execution of Reconfigurable Hybrid Systems. In: Tech. Rep., no. tr-ri-08-297. Computer Science Department, University of Paderborn December 2008.

Giese, H., Henkler, S., Hirsch, M.: Combining Compositional Formal Verification and Testing for Correct Legacy Component Integration in Mechatronic UML. In: Architecting Dependable Systems V. eds. de Lemos, R., Di Giandomenico, F., Gacek, C., Muccini, H., Vieira, M.. LNCS. vol. 5135, Springer Verlag 2008. pp. 248-273.

Tichy, M., Henkler, S., Holtmann, J. u. a.: Component Story Diagrams: A Transformation Language for Component Structures in Mechatronic Systems. In: eds. Gehrke, M., Giese, H., Stroop, J.. Postproc. of the 4th Workshop on Object-oriented Modeling of Embedded Real-Time Systems (OMER 4), 2008, pp. 27-38, Paderborn, Germany.

Henkler, S., Hirsch, M., Kahl, S. u. a.: Development of Self-optimizing Systems: Domain-spanning and Domain-specific Models exemplified by an Air Gap Adjustment System for Autonomous Vehicles. In: ASME International Design Engineering Technical Conferences and Computers and Information, August 3-6, 2008, New York, USA, ASME, September 2008. pp. 1-11.

Henkler, S., Hirsch, M., Priesterjahn, C.: Hybrid Model Checking with the FUJABA Real-Time Tool Suite. In: eds. Aßmann, U., Johannes, J., Zündorf, A.. Proc. of the 6th International Fujaba Days 2008, September 2008, pp. 40-43, Dresden, Germany.

# PUBLIKATIONSLISTE PROF. DR: STEFAN HENKLER

Stand: September 2015

Brenner, C., Giese, H., Henkler, S. u. a.: Integration of Legacy Components in Mechatronic UML Architectures. In: eds. Aßmann, U., Johannes, J., Zündorf, A.. Proc. of the 6th International Fujaba Days 2008, September 2008, pp. 52-55, Dresden, Germany.

Henkler, S., Hirsch, M.: Iterative Behavior Synthesis by Combining Formal Verification and Model-Based Testing. In: Postproc. of the 4th Workshop on Object-oriented Modeling of Embedded Real-Time Systems (OMER 4), 2008, pp. 39-51, Paderborn, Germany,

Hirsch, M., Giese, H., Henkler, S.: Modeling Collaborations with Dynamic Structural Adaptation in Mechatronic UML. In: Proc. of the ICSE 2008 Workshop on Software Engineering for Adaptive and Self-Managing Systems (SEAMS'08), pp. 33-40, Leipzig, Germany. ACM Press, May 2008.

Giese, H., Henkler, S., Hirsch, M. u. a.: Modeling Techniques for Software- Intensive Systems. In: Designing Software-Intensive Systems: Methods and Principles. ed. Tiako, P.F.. Langston University, OK, 2008. pp. 21-58.

Osmic, S., Münch, E., Trächtler, A. u. a.: Safe Online-Reconfiguration of Self-Optimizing Mechatronic Systems. In: eds. Gausemeier, J., Rammig, F., Schäfer, W.. Selbstoptimierende mechatronische Systeme: Die Zukunft gestalten. 7. Internationales Heinz Nixdorf Symposium für industrielle Informationstechnik, February 2008. pp. 411-426.

Tichy, M., Henkler, S., Meyer, M. u. a.: Safety of Component-Based Systems: Analysis and Improvement using Fujaba4Eclipse. In: Companion Proceedings of the 30th International Conference on Software Engineering (ICSE), May 2008, Leipzig, Germany.

Henkler, S., Seibel, A., Giese, H.: Synthesis of Real-Time Component Behavior. In: Tech. Rep., no. tr-ri-08-296. December 2008, Computer Science Department, University of Paderborn.

Alhawash, K., Ceylan, T. Eckardt, T. u. a.: The Fujaba Automotive Tool Suite. In: eds. Aßmann, U., Johannes, J. Zündorf, A.. Proceedings of 6th International Fujaba Days (Fujaba Days 2008), September 18-19, 2008, Dresden, Germany, no. TUD-FI08-09 (Dresden, Germany), pp. 36-39. Technische Universität Dresden.

Henkler, S., Hirsch, M.: Tool Support for Developing Advanced Mechatronic Systems: Integrating the Fujaba Real-Time Tool Suite with CAMeL-View. In: eds. Schätz, B., Giese, H., Nickel, U., Huhn, M.. Proc. of the Dagstuhl-Workshop: Model-Based Development of Embedded Systems (MBEES), 7.3.-12.3.2008, Schloss Dagstuhl, Germany, Informatik-Bericht, no. 2008-2, April (2008), Technische Universität Braunschweig, pp. 78-87.

Henkler, S., Hirsch, M.: Compositional Validation of Distributed Real Time Systems. In: eds. Gehrke, M., Giese, H., Stroop, J.. Proc. of the 4th Work- shop on Object-oriented Modeling of Embedded Real-Time Systems (OMER 4), 30.-31.10.2007, Paderborn, Germany. vol. tr-ri-07-286, University of Paderborn, October 2007. pp. 52-56.

Axenath, B., Henkler, S.: Ein verbessertes Softwaretechnikpraktikum: zwischen grüner Wiese und Legacy-Systemen.. In: Software Engineering im Unterricht der Hochschulen, SEUH 10. Hrsg. v. Zeller, A., Deininger, M.. 22. und 23. Februar 2007, Stuttgart, Germany, dpunkt, 2007. pp. 13-26.

Giese, H., Henkler, S., Hirsch, M. u. a.: Model-Based Testing of Mechatronic Systems. In: eds. Geiger, L., Giese, H., Zündorf, A.. Proc. of the 5th International Fujaba Days 2007, September 2007, pp. 1-4, Kassel, Germany.

Giese, H., Henkler, S., Hirsch, M. u. a.: Monitoring of Structural and Temporal Properties. In: eds. Geiger, L., Giese, H., Zündorf, A.. Proc. of the 5th International Fujaba Days 2007, September 2007, pp. 1-4, Kassel, Germany.

# PUBLIKATIONSLISTE PROF. DR. STEFAN HENKLER

Stand: September 2015

Burmester, S., Giese, H., Henkler, S. u. a.: Tool Support for Developing Advanced Mechatronic Systems: Integrating the Fujaba Real-Time Tool Suite with CAMeL-View. In: Proc. of the 29th International Conference on Software Engineering (ICSE), IEEE Computer Society Press, May 2007, pp. 801-804, Minneapolis, Minnesota, USA.

Tichy, M., Henkler, S.: Towards a Transformation Language for Component Structures. In: Proc. of the 4th Workshop on Object-oriented Modeling of Embedded Real-Time Systems (OMER 4), October 2007, pp. 68-73, Paderborn, Germany.

Gausemeier, J., Giese, H., Schäfer, W. u. a.: Towards the Design of Self-Optimizing Mechatronic Systems: Consistency between Domain- Spanning and Domain-Specific Models. In: Proc. of the 16th International Conference on Engineering Design (ICED), August 2007, Paris, France.

Henkler, S., Hirsch, M.: A Multi-Paradigm Modeling Approach for Reconfigurable Mechatronic Systems. In: eds. Giese, H., Levendovszky, T.. Proc. of the International Workshop on Multi-Paradigm Modeling: Concepts and Tools (MPM06), Satellite Event of the 9th International Conference on Model-Driven Engineering Languages and Systems MoDELS/UML2006, Genova, Italy, BME-DAAI Technical Report Series, vol. 2006/1, Budapest University of Technology and Economics, October 2006. pp. 15-25.

Giese, H., Henkler, S., Hirsch, M.: A Plugin for the Development of Resource Aware Components with Mechatronic UML. In: eds. Giese, H., Westfechtel, B.. Proc. of the fourth International Fujaba Days 2006, Bayreuth, Germany. Technical Report, vol. tr-ri-06-275, University of Paderborn, September 2006, pp. 51-55.

Giese, H., Henkler, S.: A Survey of Approaches for the Visual Model-Driven Development of Next Generation Software-Intensive Systems. In: Journal of Visual Languages and Computing, vol. 17, no. 6, December (2006). pp. 528-550.

Giese, H., Henkler, S., Hirsch, M.: Analysis and Modeling of Real-Time with Mechatronic UML taking Clock Drift into Account. In: Proc. of the International Workshop on Modeling and Analysis of Real-Time and Embedded Systems (MARTEs), Satellite Event of the 9th International Conference on Model Driven Engineering Languages and Systems, MoDELS/UML2006, Genova, Italy. Research Report, vol. 343, University of Oslo, October (2006). pp. 41-60.

Giese, H., Henkler, S.: Architecture-Driven Platform Independent Deterministic Replay for Distributed Hard Real-Time Systems. In: Proceedings of the 2nd International Workshop on The Role of Software Architecture for Testing and Analysis (ROSATEA2006), New York, NY, USA. ACM Press, July 2006. pp. 28-38.

Giese, H., Henkler, S., Hirsch, M. u. a.: Modellbasierte Entwicklung vernetzter, mechatronischer Systeme am Beispiel der Konvoifahrt autonom agierender Schienenfahrzeuge. In: Proc. of the Fourth Paderborner Workshop Entwurf mechatronischer Systeme, HNI-Verlagsschriftenreihe, vol. 189, May 2006. pp. 457-473.

Giese, H., Henkler, S., Hirsch, M. u. a.: Nobody's perfect: Interactive Synthesis from Parametrized Real-Time Scenarios. In: Proc. of the 5th ICSE 2006 Workshop on Scenarios and State Machines: Models, Algorithms and Tools (SCESM'06), Shanghai, China. ACM Press, May 2006. pp. 67-74.

Burmester, S., Giese, H., Henkler, S.: Visual Model-Driven Development of Software Intensive Systems: A Survey of available Techniques and Tools. In: Proc. of the Workshop on Visual Modeling for Software Intensive Systems (VMSIS) at the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC'05), September 2005, pp. 11-18, Dallas, Texas, USA.