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Prof. Dr. Peter Marwedel, TU Dortmund

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Florian Schmoll, Andreas Heinig, Peter Marwedel and Michael Engel: Passing error handling information from a compiler to runtime components, *Technical Report #844, TU Dortmund, Faculty of Computer Science 12,* 2014

Helena Kotthaus, Ingo Korb and Peter Marwedel: Performance Analysis for Parallel R Programs: Towards Efficient Resource Utilization, *Technical Report #01/2015, Department of Computer Science 12, TU Dortmund University,* July 2015

Keynotes and Selected Invited Talks

Peter Marwedel: Optimizing embedded software for timing-predictability and memory-awareness, *IEEE East-West Design & Test Symposium (EWDT*), Moscow, September 18–21, 2009

Peter Marwedel: From Embedded Systems to Cyber-Physical Systems: Does the Name Change Matter, *Anniversary Celebration, Uppsala University*, 2009

Peter Marwedel: Cyber-Physical Systems: Opportunities and Challenges, *IEEE International Conference on Cyber, Physical, and Social Computing* (CPSCom), Besancon, France, November 20-23, 2012

Peter Marwedel: Designing Efficient Cyber-Physical Systems, *Tools and Methods of Competitive Engineering (TMCE)*, Budapest, 2014

Peter Marwedel: 1974-2014: 40 years of work in design automation – and any wiser? *International Workshop on Software and Compilers for Embedded Systems (SCOPES)*, 2014

Peter Marwedel, Helena Kotthaus, Ingo Korb, Florian Schmoll: Survey on recent embedded system memory optimization research at TU Dortmund, *Memory Architecture and Organization Workshop (MEAOW) at ESWEEK*, 2014

Peter Marwedel: Cyber-Physical Systems: Opportunities, Challenges, and (Some) Solutions, *Excellence Center at Linköping-Lund in Information Technology (ELLIIT) – Workshop, Norrköping,* 2014

Peter Marwedel: Resource Awareness in Data Processing, *U.S.-German Workshop on the Internet of Things (IoT)/Cyber-Physical-System (CPS), organized by NSF and the German Government,* 2016

Peter Marwedel: Integration von Physik und Informatik in Cyber-Physical Systems, *Workshop of Teachers of CS of North-Rhine-Westfalia*, 2016

Peter Marwedel: Cyber-Physical Systems: Opportunities, Challenges, and (Some) Solutions, *21st Workshop on Synthesis And System Integration of Mixed Information technologies (SASIMI),* Matsue (Japan), 2018

Peter Marwedel: Cooperative Research Center CRC 876 on Resource-Constrained Machine Learning: Drilling Holes into the Walls Between Disciplines, *SCOPES*, 2018