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List of Publications

Peer-reviewed conference and journal articles

- 38. J. Henning, H.V. Hasseln, H. Mohammad, S. Resmerita, S.Lukesch, A. Naderlinger Towards Parallelizing Legacy Embedded Control Software Using the LET Programming Paradigm
 - WiP session of the 22nd IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS 2016), Vienna, Austria, April 2016.
- 37. **S. Resmerita**, A. Naderlinger, M. Huber, K. Butts, and W. Pree *Applying Real-time Programming to Legacy Embedded Control Software* Proceedings of the 18th IEEE Symposium on Real-Time Computing (ISORC 2015), Auckland, New Zealand, April 2015.

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- 36. **S. Resmerita**, A. Poelzleitner, and S. Lukesch

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 Aspect Design

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- 35. P. Hintenaus and **S. Resmerita**Bringing Computer Science Students Closer to Cyber-Physical Systems Design
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- 34. **S. Resmerita** and W. Pree
 - Verification of embedded control systems by simulation and program execution control Proceedings of the American Control Conference (ACC), pp.3581-3586, Montréal, Canada, June 2012.
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- 33. M. Broy, S. Chakraborty, D. Goswami, S. Ramesh, M. Satpathy, **S. Resmerita**, and W. Pree
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- 32. A. Naderlinger, J. Templ, **S. Resmerita**, and W. Pree

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31. **S. Resmerita**, K. Butts, P. Derler, A. Naderlinger, and W. Pree *Migration of legacy software towards correct-by-construction timing behavior* Foundations of computer software: modeling, development, and verification of adaptive systems, Revised selected papers from the 2010 Monterey Workshop, LNCS 6662, pp. 55-76, 2011.

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30. P. Derler and S. Resmerita

Flexible Static Scheduling of Software with Logical Execution Time Constraints
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- 29. P. Derler, A. Naderlinger, W. Pree, **S. Resmerita**, J. Templ Simulation of LET Models in Simulink and Ptolemy
 Foundations of computer software: future trends and techniques for development, Revised selected papers from the 2008 Monterey Workshop, LNCS 6028, 2010.
- 28. **S. Resmerita**, P. Derler, W. Pree and A. Naderlinger *Modeling and Simulation of TDL Applications*In Proceedings of the 2007 International Dagstuhl conference on Model-based engineering of embedded real-time systems (MBEERTS'07), LNCS 6100, pp 107-128, 2010.
- 27. **S. Resmerita** and P. Derler Flexible Scheduling of Software with Logical Execution Time Constraints, Workshop on Reconciling Performance with Predictability (REPP'09), at the Embedded System Week in Grenoble, October 2009.
- 26. **S. Resmerita**, M. Heymann and G. Meyer

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- 25. A. Ferscha and **S. Resmerita**Gestural interaction in the pervasive computing landscape
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- 24. A. Ferscha, **S. Resmerita** and C. Holzmann *Human Computer Confluence*In "Universal Access in Ambient Intelligence Environments", LNCS 4397, pp. 14-27, 2007.
- 23. A. Ferscha, C. Holzmann and **S. Resmerita**The Key Knob
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- 22. C. Holzmann, **S. Resmerita**, M. H. Leitner and A. Ferscha

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- 21. M. Heymann, F. Lin, G. Meyer and **S. Resmerita**Analysis of Zeno behaviors in a class of hybrid systems
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- 20. A. Ferscha, **S. Resmerita**, C. Holzmann and M. Reichoer *Orientation sensing for gesture-based interaction with smart artifacts* Computer Communications, Vol. 28, No. 13, 2005.
- 19. M. Heymann, G. Meyer and **S. Resmerita**An agent model for air traffic management the merging traffic problem

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13. M. Voicu, D. Panescu, O. Pastravanu, S. Dumbrava, S.Ifrim and **S. Resmerita**CIM systems: a new trend in control engineering education

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12. D. Panescu and S. Resmerita

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7. Gh. Baluta, **S. Resmerita** , M. Albu and R. Bojoi

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- 4. Gh. Baluta, **S. Resmerita** and V. Apopei

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- 3. **S. Resmerita**, P. Derler, and W. Pree
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- 1. A. Ferscha, C. Holzmann, M. Hechinger, B. Emsenhuber, **S. Resmerita**, S. Vogl, B. Wally *Pervasive Computing*In "Hagenberg Research". Editors: B. Buchberger, M. Affenzeller, A. Ferscha, M. Haller, T. Jebelean, E.P. Klement, P. Paule, G. Pomberger, W. Schreiner, R. Stubenrauch, R. Wagner, G. Weiss, W. Windsteiger. Springer-Verlag Berlin Heidelberg, 2009. Available at http://www.pervasive.jku.at/Research/Publications/ Documents/HagenbergResearch2.0.pdf

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- 3. **S. Resmerita**, P. Derler and E. A. Lee

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Posters

3. J. Henning, H.V. Hasseln, H. Mohammad, **S. Resmerita**, S.Lukesch, A. Naderlinger Towards Parallelizing Legacy Embedded Control Software Using the LET Programming Paradiam Poster presentation at the 22nd IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS 2016), Vienna, Austria, April 2016.

2. P. Derler and S. Resmerita

Relaxing Scheduling Constraints for Systems with Logical Execution Time Specifications Poster presentation at the ACM SIGPLAN/SIGBED Conference on Languages, Compilers, and Tools for Embedded Systems (LCTES), June 2009.

1. **S. Resmerita** and P. Derler

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