

Publication List

Books

Bode, A.; Karl, W.: *Multicore-Architekturen*. Reihe Informatik im Fokus. Springer-Verlag Heidelberg, to appear

Karl, W.: *Architektur und effiziente Programmierung von Cluster-Systemen*. Habilitationsschrift, Technische Universität München, Januar 2002.

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Publications as Editor

Karl, W.: Mitherausgeber der Buchreihe Informatik im Fokus, Springer-Verlag

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Patterson, D. A.; Hennessy, J. L.: *Rechnerorganisation und -entwurf Die Hardware / Software-Schnittstelle*. Elsevier Spektrum Akademischer Verlag, 3. Auflage, 2005. Deutsche Ausgabe herausgegeben von A. Bode, W. Karl, T. Ungerer.

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Kicherer, M.; Nowak, F.; Buchty, R.; Karl, W.: Seamlessly Portable Applications: Managing the Diversity of Modern Heterogeneous Systems. ACM Transactions on Architecture and Code Optimization (TACO) Volume 8 Issue 4, January 2012

Kramer, D.; Buchty, R.; Karl, W.: *Monitoring and Self-awareness for Heterogeneous, Adaptive Computing Systems*. In: Organic Computing - A Paradigm Shift for Complex Systems, pages 163-177. Springer Basel, Series "Autonomic Systems", Volume 1, Part 2, ISBN 978-3-0348-0130-0, June 2011.

Ebi, T.; Kramer, D.; Schuck, C.; von Renteln, A.; Becker, J.; Brinkschulte, U.; Henkel, J.; Karl, W.: *DodOrg -- A Self-adaptive Organic Many-core Architecture*. In: Organic Computing - A Paradigm Shift for Complex Systems, pages 353-368. Springer Basel, Series "Autonomic Systems", Volume 1, Part 2, ISBN 978-3-0348-0130-0, June 2011.

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David Kramer, Rainer Buchty, Wolfgang Karl: A Light-Weight Approach for Online State Classification of Self-organizing Parallel Systems. In: *Architecture of Computing Systems - ARCS 2011*, pages 183-194. Springer, Series "Lecture Notes of Computer Science (LNCS)", Volume 6566, ISBN 978-3-642-19136-7, Lake Como, Italy, February 22-25 2011

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