

Primary Studies

- P1:** C. Landauer and K. L. Bellman, An Architecture for Self-Awareness Experiments. 2017 IEEE International Conference on Autonomic Computing (ICAC), 2017.
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- P2:** Perez-Palacin, Diego and Mirandola, Raffaella and Merseguer, José, Enhancing a QoS-Based Self-Adaptive Framework with Energy Management Capabilities. Proceedings of the Joint ACM SIGSOFT Conference – QoSA and ACM SIGSOFT Symposium – ISARCS on Quality of Software Architectures – QoSA and Architecting Critical Systems – ISARCS, 2011.
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- P4:** Thüm, Thomas and van Hoorn, André and Apel, Sven and Bürdek, Johannes and Getir, Sinem and Heinrich, Robert and Jung, Reiner and Kowal, Matthias and Lochau, Malte and Schaefer, Ina and Walter, Jürgen, Performance Analysis Strategies for Software Variants and Versions. Managed Software Evolution, 2019.
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- P6:** Zhang, X. and Lung, C.-H., Experience on building an architecture level adaptable system. Lecture Notes in Business Information Processing, 2012.
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- P10:** Trubiani, C. and Bran, A. and van Hoorn, A. and Avritzer, A. and Knoche, H., Exploiting load testing and profiling for Performance Antipattern Detection. Information and Software Technology, 2018.
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- P11:** Incerto, E. and Tribastone, M. and Trubiani, C., Software performance self-adaptation through efficient model predictive control. ASE 2017 - Proceedings of the 32nd IEEE/ACM International Conference on Automated Software Engineering, 2017.
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- P12:** Incerto, E. and Tribastone, M. and Trubiani, C., Symbolic performance adaptation. Proceedings - 11th International Symposium on Software Engineering for Adaptive and Self-Managing Systems, SEAMS 2016, 2016.
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- P13:** Incerto, E. and Tribastone, M. and Trubiani, C., A proactive approach for runtime self-adaptation based on queueing network fluid analysis. 1st International Workshop on Quality-Aware DevOps, QUDOS 2015 - Proceedings, 2015.
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- P18:** Caporuscio, M. and Mirandola, R. and Trubiani, C., Building design-time and run-time knowledge for QoS-based component assembly. Software - Practice and Experience, 2017.
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- P20:** Cámara, J. and Garlan, D. and Moreno, G.A. and Schmerl, B., Analyzing self-adaptation via model checking of stochastic games. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2017.
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- P25:** Yang, Q.-L. and Lv, J. and Tao, X.-P. and Ma, X.-X. and Xing, J.-C. and Song, W., Fuzzy self-adaptation of mission-critical software under uncertainty. Journal of Computer Science and Technology, 2013.
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- P28:** Martens, A. and Ardagna, D. and Kozirolek, H. and Mirandola, R. and Reussner, R., A hybrid approach for multi-attribute QoS optimisation in component based software systems. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2010.
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- P30:** Mirandola, R. and Potena, P. and Scandurra, P., An optimization process for adaptation space exploration of service-oriented applications. Proceedings - 6th IEEE International Symposium on Service-Oriented System Engineer-

- ing, SOSE 2011, 2011.
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- P31:** Marzolla, M. and Mirandola, R., PARSY: Performance aware reconfiguration of software systems. *International Journal of Performability Engineering*, 2011.
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- P32:** Arcelli, D. and Cortellessa, V. and Di Pompeo, D. and Eramo, R. and Tucci, M., Exploiting architecture/runtime model-driven traceability for performance improvement. *Proceedings - 2019 IEEE International Conference on Software Architecture, ICSA 2019*, 2019.
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- P34:** F. Sironi and A. Cuoccio and H. Hoffmann and M. Maggio and M. D. Santambrogio, Evolvable systems on reconfigurable architecture via self-aware adaptive applications. *2011 NASA/ESA Conference on Adaptive Hardware and Systems*, 2011.
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- P35:** A. Mousa and J. Bentahar and O. Alam, Multi-Objective Self-Adaptive Composite SaaS Using Feature Model. *International Conference on Future Internet of Things and Cloud*, 2018.
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- P36:** J. Na and Y. Gao and B. Zhang and L. Huang and Z. Zhu, Improved Adaptation of Web Service Composition Based on Change Impact Probability. *Third International Conference on Dependability*, 2010.
<https://doi.org/10.1109/DEPEND.2010.30>
- P37:** J. Cámara and G. Moreno and D. Garlan, Reasoning about Human Participation in Self-Adaptive Systems. *International Symposium on Software Engineering for Adaptive and Self-Managing Systems*, 2015.
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- P38:** L. Shen and X. Peng and W. Zhao, Quality-Driven Self-Adaptation: Bridging the Gap between Requirements and Runtime Architecture by Design Decision. *36th Annual IEEE Computer Software and Applications Conference*, 2012.
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- P40:** Arcelli, D. and Cortellessa, V. and Leva, A., A library of modeling components for adaptive queuing networks. *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2016.
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- P43:** B. Chen and X. Peng and Y. Liu and S. Song and J. Zheng and W. Zhao, Architecture-Based Behavioral Adaptation with Generated Alternatives and Relaxed Constraints. *IEEE Transactions on Services Computing*, 2019.
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- P44:** N. Huber and J. Walter and M. Bähr and S. Kounev, Model-Based Autonomic and Performance-Aware System Adaptation in Heterogeneous Resource Environments: A Case Study. *International Conference on Cloud and Autonomic Computing*, 2015.
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Scores assigned to papers

	T1	T2	T3	T4	T5	T6	T7
P1	0	0	0	0	0.5	0	0
P2	0	0	0	0	1	0	0.5
P3	0.5	0	0	0.5	0.5	0	0
P4	1	0	0	0.5	1	0.5	0.5
P5	0.5	0	1	0.5	0.5	0	0
P6	0	0	0	0.5	1	0	0.5
P7	0	0	0	0.5	1	0	0.5
P8	0	0	0	1	1	1	0
P9	1	0	0	1	0	0	1
P10	0	0.5	1	0	0	0	0
P11	0.5	0.5	0	1	1	0	0.5
P12	0.5	0	0	1	1	0	0.5
P13	0.5	0	0	0.5	1	0	0.5
P14	0	0	0	0.5	1	0	0.5
P15	0	0	0	0.5	1	0	0.5
P16	0	0	0	0	1	0	0.5
P17	1	0	1	0.5	0.5	0	0
P18	1	0.5	0	0.5	0.5	0.5	0.5
P19	1	0	1	1	0	0	0
P20	0.5	0.5	0	1	1	0	0.5
P21	0	0	0	1	1	0	0.5
P22	0	0	0	0	1	0	0.5
P23	0.5	0	0	0	1	0	0.5
P24	0.5	1	0	1	0	0	0
P25	1	0	0	1	0	0	0
P26	0.5	0	0	1	0	0	0
P27	0.5	0	0	0	1	1	1

P28	0.5	0	0	0	1	1	1
P29	1	0	1	0	1	0.5	0.5
P30	0.5	0	0	0.5	1	1	0
P31	0.5	0	0	1	0	0	0.5
P32	1	0	0.5	0	1	0	0
P33	0.5	0	0.5	1	0	0	1
P34	1	0.5	0	1	0	0	0.5
P35	0.5	0	0.5	1	0	1	0
P36	1	0.5	1	1	0.5	0	0.5
P37	0.5	0	0	0.5	0	0	0
P38	0.5	0.5	0.5	1	1	0	0
P39	1	0.5	1	1	1	0.5	0.5
P40	0.5	0	0	1	0	0	0
P41	1	0	0	1	0	0	0
P42	1	0.5	0.5	1	0	0	0.5
P43	1	0.5	0.5	1	0.5	1	0
P44	1	0.5	1	1	0.5	0	0.5