

## 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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- P3:** J. F. Inglés-Romero and A. Romero-Garcés and C. Vicente-Chicote and J. Martínez, A Model-Driven Approach to Enable Adaptive QoS in DDS-Based Middleware. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017.  
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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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- P5:** Brataas, Gunnar and Hanssen, Geir Kjetil and Ræder, Georg, Towards Agile Scalability Engineering. International Conference on Agile Software Development, 2018.  
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- P8:** Mirandola, R. and Potena, P. and Scandurra, P., Adaptation space exploration for service-oriented applications. Science of Computer Programming, 2014.  
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- P9:** Von Massow, R. and Van Hoorn, A. and Hasselbring, W., Performance simulation of runtime reconfigurable component-based software architectures. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2011.  
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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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- 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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- P14:** Huber, N. and Brosig, F. and Spinner, S. and Kounev, S. and Bähr, M., Model-based self-Aware performance and resource management using the descartes modeling language. IEEE Transactions on Software Engineering, 2017.  
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- P17:** De Sanctis, M. and Bucchiarone, A. and Trubiani, C., A DevOps Perspective for QoS-Aware Adaptive Applications. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2020.  
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- P27:** Koziolok, A. and Ardagna, D. and Mirandola, R., Hybrid multi-attribute QoS optimization in component based software systems. Journal of Systems and Software, 2013.  
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- P28:** Martens, A. and Ardagna, D. and Koziolok, 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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- P33:** A. Lodde and A. Schlechter and P. Bauler and N. Biri and F. Feltz, Feedback Controlled Quality of Service Enforcement for Service Oriented Architectures. *International Conference on Services Computing*, 2010.  
<https://doi.org/10.1109/SCC.2010.31>
- 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.  
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- 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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- P41:** Lung, C.-H. and Zhang, X. and Rajeswaran, P., Improving software performance and reliability in a distributed and concurrent environment with an architecture-based self-adaptive framework. *Journal of Systems and Software*, 2016.  
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- P42:** C. Franke and M. Fritzsche and S. Pacheco-Sanchez, Self-Adaptive Model-Based Performance Management in Industrial Data Centers. *IEEE International Conference and Workshops on Engineering of Autonomic and Autonomous Systems*, 2010.  
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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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### Scores assigned to papers

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

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