

List of Citations

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The list is based on information from common publication databases. Following the Charles University rector directives 9/2014 and 17/2014, the list contains citations from monographs, scientific periodicals and reviewed proceedings, excluding self citations where the applicant is among the authors of the citing publication. Also excluded are publications originating wholly from the applicant department, foreign language publications (because this makes determining the nature of the citation difficult) and theses (because it is not clear whether theses qualify as monographs).

The H-index computed based on this list of citations (which excludes self-citations and sole citations by others from the applicant's department) is 9. When taking into account only cited works belonging to categories A-C, the H-index is 8.

1 Chapters in scientific monographs

A. Musil, J. Musil, D. Weyns, T. Bures, H. Muccini, and M. Sharaf: **“Patterns for Self-Adaptation in Cyber-Physical Systems”**. In *Multi-Disciplinary Engineering for Cyber-Physical Production Systems: Data Models and Software Solutions for Handling Complex Engineering Projects*. Springer, 2017, pp. 331–368. DOI: 10.1007/978-3-319-56345-9_13

1. G. Settanni, F. Skopik, A. Karaj, M. Wurzenberger, and R. Fiedler: **“Protecting cyber physical production systems using anomaly detection to enable self-adaptation”**. In *2018 IEEE Industrial Cyber-Physical Systems (ICPS)*. 2018, pp. 173–180. DOI: 10.1109/ICPHYS.2018.8387655
2. M. Wurzenberger, F. Skopik, G. Settanni, and R. Fiedler: **“AECID: A Self-learning Anomaly Detection Approach based on Light-weight Log Parser Models”**. In *Proceedings of the 4th International Conference on Information Systems Security and Privacy - Volume 1: ICISSP*,. SciTePress, 2018, pp. 386–397. DOI: 10.5220/0006643003860397

N. Hoch, H.-P. Bensler, D. Abeywickrama, T. Bureš, and U. Montanari: **“The E-mobility Case Study”**. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Springer, 2015, pp. 513–533. DOI: 10.1007/978-3-319-16310-9_17

3. N. Šerbedžija: **“The ASCENS Case Studies: Results and Common Aspects”**. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 451–469. DOI: 10.1007/978-3-319-16310-9_14

L. Bulej, T. Bureš, I. Gerostathopoulos, V. Horký, J. Keznikl, L. Marek, M. Tschaikowski, M. Tribastone, and P. Tůma: **“Supporting Performance Awareness in Autonomous Ensembles”**. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Springer, 2015, pp. 291–322. DOI: 10.1007/978-3-319-16310-9_8

4. M. Hözl, N. Koch, M. Puviani, M. Wirsing, and F. Zambonelli: **“The Ensemble Development Life Cycle and Best Practices for Collective Autonomic Systems”**. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 325–354. DOI: 10.1007/978-3-319-16310-9_9

T. Bureš, I. Gerostathopoulos, P. Hnetynka, J. Keznikl, M. Kit, and F. Plasil: **“The Invariant Refinement Method”**. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Springer, 2015, pp. 405–428. DOI: 10.1007/978-3-319-16310-9_12

5. M. Hözl, N. Koch, M. Puviani, M. Wirsing, and F. Zambonelli: **“The Ensemble Development Life Cycle and Best Practices for Collective Autonomic Systems”**. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 325–354. DOI: 10.1007/978-3-319-16310-9_9

6. E. Vassev and M. Hinchey: “**Engineering Requirements for Autonomy Features**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 379–403. DOI: 10.1007/978-3-319-16310-9_11
 7. R. Hennicker, A. Klarl, and M. Wirsing: “**Model-Checking Helena Ensembles with Spin**”. In *Logic, Rewriting, and Concurrency: Essays Dedicated to José Meseguer on the Occasion of His 65th Birthday*. Cham: Springer, 2015, pp. 331–360. DOI: 10.1007/978-3-319-23165-5_16
 8. N. Šerbedžija: “**The ASCENS Case Studies: Results and Common Aspects**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 451–469. DOI: 10.1007/978-3-319-16310-9_14
 9. L. Belzner, M. T. Beck, T. Gabor, H. Roelle, and H. Sauer: “**Software Engineering for Distributed Autonomous Real-time Systems**”. In *Proceedings of the 2Nd International Workshop on Software Engineering for Smart Cyber-Physical Systems*. ACM, 2016, pp. 54–57. DOI: 10.1145/2897035.2897040
- P. Mayer, J. Velasco, A. Klarl, R. Hennicker, M. Puviani, F. Tiezzi, R. Pugliese, J. Keznickl, and T. Bureš: “**The Autonomic Cloud**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Springer, 2015, pp. 495–512. DOI: 10.1007/978-3-319-16310-9_16
10. S. Singh and I. Chana: “**QoS-Aware Autonomic Resource Management in Cloud Computing: A Systematic Review**”. In *ACM Comput. Surv.* 48.3 (2015), 42:1–42:46. DOI: 10.1145/2843889
 11. M. Vögler, J. M. Schleicher, C. Inzinger, and S. Dustdar: “**DIANE - Dynamic IoT Application Deployment**”. In *2015 IEEE International Conference on Mobile Services*. 2015, pp. 298–305. DOI: 10.1109/MobServ.2015.49
 12. E. Vassev and M. Hinchey: “**Knowledge Representation for Adaptive and Self-aware Systems**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 221–247. DOI: 10.1007/978-3-319-16310-9_6
 13. E. Vassev and M. Hinchey: “**Engineering Requirements for Autonomy Features**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 379–403. DOI: 10.1007/978-3-319-16310-9_11
 14. R. Bruni, U. Montanari, and M. Sammartino: “**Reconfigurable and Software-Defined Networks of Connectors and Components**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 73–106. DOI: 10.1007/978-3-319-16310-9_2
 15. N. Šerbedžija: “**The ASCENS Case Studies: Results and Common Aspects**”. In *Software Engineering for Collective Autonomic Systems: The ASCENS Approach*. Cham: Springer, 2015, pp. 451–469. DOI: 10.1007/978-3-319-16310-9_14
 16. M. Tsvetkova, T. Yasseri, E. T. Meyer, J. B. Pickering, V. Engen, P. Walland, M. Lüders, A. Følstad, and G. Bravos: “**Understanding Human-Machine Networks: A Cross-Disciplinary Survey**”. In *ACM Comput. Surv.* 50.1 (2017), 12:1–12:35. DOI: 10.1145/3039868
 17. D. B. Abeywickrama and E. Ovaska: “**ADSEng: A Model-based Methodology for Autonomous Digital Service Engineering**”. In *Proceedings of the 8th International Conference on Management of Digital EcoSystems*. New York, NY, USA: ACM, 2016, pp. 34–42. DOI: 10.1145/3012071.3012072
 18. M. Vogler, J. Schleicher, C. Inzinger, and S. Dustdar: “**Optimizing Elastic IoT Application Deployments**”. In *IEEE Transactions on Services Computing* PP.99 (2016), pp. 1–1. DOI: 10.1109/TSC.2016.2617327
 19. A. Ismail and M. Kwiatkowska: “**Synthesizing Pareto Optimal Decision for Autonomic Clouds using Stochastic Games Model Checking**”. In *Proc. 24th Asia-Pacific Software Engineering Conference (APSEC 2017)*. IEEE, 2017
- L. Bulej, T. Bureš, T. Coupaye, M. Děcký, P. Ježek, P. Parížek, F. Plášil, T. Poch, N. Rivierre, O. Šerý, and P. Tůma: “**CoCoME in Fractal**”. In *The Common Component Modeling Example: Comparing Software Component Models*. Berlin, Heidelberg: Springer, 2008, pp. 357–387. DOI: 10.1007/978-3-540-85289-6_14
20. C. Canal and A. Cansado: “**Component Reconfiguration in Presence of Mismatch**”. In *Informat-ica* 35 (2011), pp. 29–37

21. P. Vařeková and I. Černá: “**Model Checking of Control-User Component-Based Parametrised Systems**”. In *In Proceedings of Component-Based Software Engineering: 11th International Symposium, CBSE 2008, Karlsruhe, Germany, October 14-17*. Springer, 2008, pp. 146–162. DOI: 10.1007/978-3-540-87891-9_10
 22. J. Fernandez-Madrigal, L. Llopis, A. Cruz-Martan, C. Galindo, and J. Gonzalez-Jimanez: “**H: A component-based specification language for heterogeneous applications**”. In *Computer Standards & Interfaces* 35.1 (2013), pp. 30–49. DOI: <https://doi.org/10.1016/j.csi.2012.03.003>
 23. H. Aris and S. S. Salim: “**Properties for Component Model: The definition Perspective**”. In *Computing and Informatics* 30.5 (2011), pp. 87–1010
- T. Bureš, M. Děcký, P. Hnětynka, J. Kofroň, P. Parížek, F. Plášil, T. Poch, O. Šerý, and P. Tůma: “**CoCoME in SOFA**”. in *The Common Component Modeling Example: Comparing Software Component Models*. Berlin, Heidelberg: Springer, 2008, pp. 388–417. DOI: 10.1007/978-3-540-85289-6_15
24. A. Koziolok and R. Reussner: “**Towards a Generic Quality Optimisation Framework for Component-based System Models**”. In *Proceedings of the 14th International ACM Sigsoft Symposium on Component Based Software Engineering*. New York, NY, USA: ACM, 2011, pp. 103–108. DOI: 10.1145/2000229.2000244
 25. P. Andre, G. Ardourel, C. Attiogbe, and A. Lanoix: “**Using Assertions to Enhance the Correctness of Kmelia Components and their Assemblies**”. In *Electronic Notes in Theoretical Computer Science* 263.Supplement C (2010). Proceedings of the 6th International Workshop on Formal Aspects of Component Software (FACS 2009), pp. 5–30. DOI: <https://doi.org/10.1016/j.entcs.2010.05.002>
 26. A. Both, W. Zimmermann, and R. Franke: “**Model Checking of Component Protocol Conformance - Optimizations by Reducing False Negatives**”. In *Electronic Notes in Theoretical Computer Science* 263.Supplement C (2010). Proceedings of the 6th International Workshop on Formal Aspects of Component Software (FACS 2009), pp. 67–94. DOI: <https://doi.org/10.1016/j.entcs.2010.05.005>
 27. Z. Durdik, J. Drawehn, and M. Herbert: “**Towards Automated Service Quality Prediction for Development of Enterprise Mashups**”. In *Proceedings of the 5th International Workshop on Web APIs and Service Mashups*. New York, NY, USA: ACM, 2011, 6:1–6:8. DOI: 10.1145/2076006.2076013
 28. A. A. Lahcen, D. Parigot, and S. Mouline: “**Data-Dependency Formalism for Developing Peer-to-Peer Applications**”. In *Computing and Informatics* 36.2 (2017), pp. 353–385

2 Original scientific publications

2.1 In foreign scientific journals

2.1.1 Publications with IF

- T. Bures, F. Plasil, M. Kit, P. Tuma, and N. Hoch: “**Software Abstractions for Component Interaction in the Internet of Things**”. In *Computer* 49.12 (2016), pp. 50–59. DOI: 10.1109/MC.2016.377. WOS 2016 IF 1.755, SCOPUS 2016 SNIP 2.361
29. J. Chioino, I. Contreras, A. Barrientos, and L. Vives: “**Designing a Decision Tree for Cross-device Communication Technology Aimed at iOS and Android Developers**”. In *Proceedings of the 2Nd International Conference on Information System and Data Mining*. New York, NY, USA: ACM, 2018, pp. 81–87. DOI: 10.1145/3206098.3206103
 30. E. Vargiu and F. Zambonelli: “**Engineering IoT Systems Through Agent Abstractions: Smart Healthcare as a Case Study**”. In *Agents and Multi-Agent Systems for Health Care*. Cham: Springer, 2017, pp. 25–39. ISBN: 978-3-319-70887-4
 31. M. Lippi, M. Mamei, S. Mariani, and F. Zambonelli: “**Coordinating Distributed Speaking Objects**”. In *2017 IEEE 37th International Conference on Distributed Computing Systems (ICDCS)*. 2017, pp. 1949–1960. DOI: 10.1109/ICDCS.2017.282
 32. E. Vargiu and F. Zambonelli: “**Agent abstractions for engineering IoT systems: A case study in smart healthcare**”. In *2017 IEEE 14th International Conference on Networking, Sensing and Control (ICNSC)*. 2017, pp. 667–672. DOI: 10.1109/ICNSC.2017.8000170

- A. Masrur, M. Kit, V. Matena, T. Bures, and W. Hardt: “**Component-Based Design of Cyber-Physical Applications with Safety-Critical Requirements**”. In *Microprocessors and Microsystems (MICPRO)* 42 (2016). WOS 2016 IF 1.025, SCOPUS 2016 SNIP 0.864
33. Z. Ning, W. Hou, X. Hu, and X. Gong: “**A cloud-supported cps approach to control decision of process manufacturing: 3D ONoC**”. in *2017 13th IEEE Conference on Automation Science and Engineering (CASE)*. 2017, pp. 458–463. DOI: 10.1109/COASE.2017.8256147
 34. M. A. Carrero, M. A. Musicante, A. L. dos Santos, and C. S. Hara: “**A Reusable Component-Based Model for WSN Storage Simulation**”. In *Proceedings of the 13th ACM Symposium on QoS and Security for Wireless and Mobile Networks*. New York, NY, USA: ACM, 2017, pp. 31–38. DOI: 10.1145/3132114.3132118
 35. P. Pop, D. Scholle, I. Šljivo, H. Hansson, G. Widforss, and M. Rosqvist: “**Safe cooperating cyber-physical systems using wireless communication: The SafeCOP approach**”. In *Microprocessors and Microsystems* 53.Supplement C (2017), pp. 42–50. DOI: <https://doi.org/10.1016/j.micpro.2017.07.003>
 36. X. Liu, H. Gu, H. Zhang, F. Liu, Y. Chen, and X. Yu: “**Energy-Aware on-chip virtual machine placement for cloud-supported cyber-physical systems**”. In *Microprocessors and Microsystems* 52.Supplement C (2017), pp. 427–437. DOI: <https://doi.org/10.1016/j.micpro.2016.07.013>
- L. Bulej, T. Bureš, V. Horký, J. Kotrč, L. Marek, T. Trojánek, and P. Tůma: “**Unit testing performance with Stochastic Performance Logic**”. In *Automated Software Engineering* 24.1 (2017), pp. 139–187. DOI: 10.1007/s10515-015-0188-0. WOS 2016 IF 2.625, SCOPUS 2016 SNIP 1.589
37. C. Laaber and P. Leitner: “**An Evaluation of Open-Source Software Microbenchmark Suites for Continuous Performance Assessment**”. In *15th International Conference on Mining Software Repositories*. 2018. DOI: 10.1145/3196398.3196407
 38. D. G. Reichelt and S. Kühne: “**How to Detect Performance Changes in Software History: Performance Analysis of Software System Versions**”. In *Companion of the 2018 ACM/SPEC International Conference on Performance Engineering*. ACM, 2018, pp. 183–188. DOI: 10.1145/3185768.3186404
 39. H. Gall, C. Alexandru, A. Ciurumelea, G. Grano, C. Laaber, S. Panichella, S. Proksch, G. Schermann, C. Vassallo, and J. Zhao: “**Data-Driven Decisions and Actions in Today’s Software Development**”. In *The Essence of Software Engineering*. Cham: Springer, 2018, pp. 137–168. DOI: 10.1007/978-3-319-73897-0_9
- C. Kroiss and T. Bures: “**Logic-based modeling of information transfer in cyber-physical multi-agent systems**”. In *Future Generation Computer Systems* 56.Supplement C (2016), pp. 124–139. DOI: <https://doi.org/10.1016/j.future.2015.09.013>. WOS 2016 IF 3.997, SCOPUS 2016 SNIP 3.383
40. T. Kaihara, D. Kokuryo, S. Suginochi, and S. Kuik: “**Value Co-creative Manufacturing Methodology with IoT-Based Smart Factory for Mass Customisation**”. In *Reconstruction of the Public Sphere in the Socially Mediated Age*. Springer, 2017, pp. 165–180. DOI: 10.1007/978-981-10-6138-7_9
 41. P. Zhou, D. Zuo, K.-M. Hou, and Z. Zhang: “**A Decentralized Compositional Framework for Dependable Decision Process in Self-Managed Cyber Physical Systems**”. In *Sensors* 17.11 (2017). DOI: 10.3390/s17112580
 42. C. Tsigkanos, N. Li, Z. Jin, Z. Hu, and C. Ghezzi: “**On Early Statistical Requirements Validation of Cyber-physical Space Systems**”. In *Proceedings of the 4th International Workshop on Software Engineering for Smart Cyber-Physical Systems*. ACM, 2018, pp. 13–18. DOI: 10.1145/3196478.3196485
 43. Y. Lu: “**Cyber Physical System (CPS)-Based Industry 4.0: A Survey**”. In *Journal of Industrial Integration and Management* 02.03 (2017), p. 1750014. DOI: 10.1142/S2424862217500142. eprint: <https://doi.org/10.1142/S2424862217500142>
 44. P. C. Vinh and E. Vassev: “**Nature-inspired computation and communication: A formal approach**”. In *Future Generation Computer Systems* 56.Supplement C (2016), pp. 121–123. DOI: <https://doi.org/10.1016/j.future.2015.10.011>
- I. Gerostathopoulos, T. Bures, P. Hnetyuka, J. Keznikl, M. Kit, F. Plasil, and N. Plouzeau: “**Self-adaptation in software-intensive cyber-physical systems: From system goals to architecture configurations**”. In *Journal of Systems and Software* (2016). DOI: 10.1016/j.jss.2016.02.028. WOS 2016 IF 2.444, SCOPUS 2016 SNIP 2.039

45. D. P. Zegzhda and E. Y. Pavlenko: “**Cyber-physical system homeostatic security management**”. In *Automatic Control and Computer Sciences* 51.8 (2017), pp. 805–816. DOI: 10.3103/S0146411617080260
 46. V. Klös, T. Göthel, and S. Glesner: “**Runtime management and quantitative evaluation of changing system goals in complex autonomous systems**”. In *Journal of Systems and Software* 144 (2018), pp. 314–327. DOI: <https://doi.org/10.1016/j.jss.2018.06.076>
 47. M. Bashari, E. Bagheri, and W. Du: “**Self-adaptation of service compositions through product line reconfiguration**”. In *Journal of Systems and Software* 144 (2018), pp. 84–105. DOI: <https://doi.org/10.1016/j.jss.2018.05.069>
 48. R. Torres, M. Aros, and J. F. Calderón: “**Towards self-adaptation for cyber-physical systems using a distributed MAPE-K schema over XMPP**”. in *CHILEAN Conference on Electrical, Electronics Engineering, Information and Communication Technologies (CHILECON)*. 2017, pp. 1–5. DOI: 10.1109/CHILECON.2017.8229533
 49. Y. Lu: “**Cyber Physical System (CPS)-Based Industry 4.0: A Survey**”. In *Journal of Industrial Integration and Management* 02.03 (2017), p. 1750014. DOI: 10.1142/S2424862217500142. eprint: <https://doi.org/10.1142/S2424862217500142>
 50. H. Chen: “**Theoretical Foundations for Cyber-Physical Systems: A Literature Review**”. In *Journal of Industrial Integration and Management* 02.03 (2017), p. 1750013. DOI: 10.1142/S2424862217500130. eprint: <https://doi.org/10.1142/S2424862217500130>
 51. S. Huber, R. Seiger, A. Kühnert, V. Theodorou, and T. Schlegel: “**Goal-Based Semantic Queries for Dynamic Processes in the Internet of Things**”. In *International Journal of Semantic Computing* 10.02 (2016), pp. 269–293. DOI: 10.1142/S1793351X16400109. eprint: <http://www.worldscientific.com/doi/pdf/10.1142/S1793351X16400109>
 52. A. Iglesias, H. Lu, C. Arellano, T. Yue, S. Ali, and G. Sagardui: “**Product Line Engineering of Monitoring Functionality in Industrial Cyber-Physical Systems: A Domain Analysis**”. In *Proceedings of the 21st International Systems and Software Product Line Conference - Volume A*. New York, NY, USA: ACM, 2017, pp. 195–204. DOI: 10.1145/3106195.3106223
 53. D. Han, J. Xing, Q. Yang, J. Li, X. Zhang, and Y. Chen: “**Integrating Goal Models and Problem Frames for Requirements Analysis of Self-Adaptive CPS**”. in *2017 IEEE 41st Annual Computer Software and Applications Conference (COMPSAC)*. 2017, pp. 529–535. DOI: 10.1109/COMPSAC.2017.152
 54. J. G. Joseph Balikuddembe: “**Application Resource Management for Highly Computational Applications in the Operational Environment: A Critical Review**”. In *Journal of Software Engineering and Applications* 10.9 (2017), pp. 777–786. DOI: 10.4236/jsea.2017.109043
 55. J. Krüger, S. Nielebock, S. Krieter, C. Diedrich, T. Leich, G. Saake, S. Zug, and F. Ortmeier: “**Beyond Software Product Lines: Variability Modeling in Cyber-Physical Systems**”. In *Proceedings of the 21st International Systems and Software Product Line Conference - Volume A*. New York, NY, USA: ACM, 2017, pp. 237–241. DOI: 10.1145/3106195.3106217
 56. S. Kallel, I. Bouassida Rodruigez, and K. Drira: “**Editorial Adaptive and reconfigurable software systems and architectures**”. In *Journal of Systems and Software* 122 (2016), pp. 342–343. DOI: 10.1016/j.jss.2016.09.011
 57. A. Taherkordi, P. Herrmann, J. O. Blech, and A. Fernandez: “**Service Virtualization for Self-Adaptation in Mobile Cyber-Physical Systems**”. In *In International Workshop on Management of Service-Oriented Cyber-Physical Systems (MCPS)*. 2016
- J. Keznikl, T. Bureš, F. Plášil, and P. Hnětynka: “**Automated resolution of connector architectures using constraint solving (ARCAS method)**”. In *Software & Systems Modeling* 13.2 (2014), pp. 843–872. DOI: 10.1007/s10270-012-0274-8. WOS 2014 IF 1.408, SCOPUS 2014 SNIP 1.822
58. A. K. Dwivedi and S. K. Rath: “**Analysis of a Complex Architectural Style C2 Using Modeling Language Alloy**”. In *Computer Science and Information Technology* 2 (), pp. 152–164. DOI: <https://doi.org/10.13189/csit.2014.020305>

59. A. Mokni, C. Urtado, S. Vauttier, M. Huchard, and H. Y. Zhang: **“A formal approach for managing component-based architecture evolution”**. In *Science of Computer Programming* 127.Supplement C (2016). Special issue of the 11th International Symposium on Formal Aspects of Component Software, pp. 24–49. DOI: <https://doi.org/10.1016/j.scico.2016.03.003>
- T. Pop, P. Hnětynka, P. Hošek, M. Malohlava, and T. Bureš: **“Comparison of component frameworks for real-time embedded systems”**. In *Knowledge and Information Systems* 40.1 (2014), pp. 127–170. DOI: 10.1007/s10115-013-0627-9. WOS 2014 IF 1.782, SCOPUS 2014 SNIP 2.414
60. Y. Hang and H. Hansson: **“Handling Multiple Mode Switch Scenarios in Component-Based Multi-mode Systems”**. In *2013 20th Asia-Pacific Software Engineering Conference (APSEC)*. 2013, pp. 404–413. DOI: 10.1109/APSEC.2013.61
61. H. Yin and H. Hansson: **“Mode switch timing analysis for component-based multi-mode systems”**. In *Journal of Systems Architecture* 59.10, Part D (2013), pp. 1299–1318. DOI: <https://doi.org/10.1016/j.sysarc.2013.09.004>
62. A. Agirre, J. Parra, A. Armentia, A. Ghoneim, E. Estévez, and M. Marcos: **“QoS management for dependable sensory environments”**. In *Multimedia Tools and Applications* 75.21 (2016), pp. 13397–13419. DOI: 10.1007/s11042-015-2781-4
63. A. Agirre, E. Estévez, and M. Marcos: **“Resource management support for SCA based distributed applications”**. In *Proceedings of the 2014 IEEE Emerging Technology and Factory Automation (ETFA)*. 2014, pp. 1–4. DOI: 10.1109/ETFA.2014.7005312
64. H. Yin and H. Hansson: **“Flexible and Efficient Reuse of Multi-mode Components for Building Multi-mode Systems”**. In *Software Reuse for Dynamic Systems in the Cloud and Beyond: 14th International Conference on Software Reuse, ICSR 2015, Miami, FL, USA, January 4-6, 2015. Proceedings*. Cham: Springer, 2014, pp. 237–252. DOI: 10.1007/978-3-319-14130-5_17

2.1.2 Other publications in 2.1

- I. Gerostathopoulos, T. Bures, P. Hnetynka, A. Hujeczek, F. Plasil, and D. Skoda: **“Strengthening Adaptation in Cyber-Physical Systems via Meta-Adaptation Strategies”**. In *ACM Trans. Cyber-Phys. Syst.* 1.3 (2017), 13:1–13:25. DOI: 10.1145/2823345
65. A. Petrovska and F. Grigoleit: **“Towards Context Modeling for Dynamic Collaborative Embedded Systems in Open Context”**. In *Tenth International Workshop Modelling and Reasoning in Context (MRC)*. 2018, pp. 41–45
66. A. Borda and V. Koutavas: **“Self-adaptive Automata”**. In *Proceedings of the 6th Conference on Formal Methods in Software Engineering*. New York, NY, USA: ACM, 2018, pp. 64–73. DOI: 10.1145/3193992.3194001
- T. Bures, P. Hnetynka, and F. Plasil: **“Runtime Concepts of Hierarchical Software Components”**. In *International Journal of Computer and Information Science* 8 (2007), pp. 454–463. ISSN: 1525-9293
67. I. Lazar, B. Parv, S. Motogna, I. G. Czibula, and C. L. Lazar: **“iComponent: A Platform Independent Component Model for Dynamic Execution Environments”**. In *2008 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*. 2008, pp. 257–264. DOI: 10.1109/SYNASC.2008.71
68. P. Brada: **“A Look at Current Component Models from the Black-Box Perspective”**. In *2009 35th Euromicro Conference on Software Engineering and Advanced Applications*. 2009, pp. 388–395. DOI: 10.1109/SEAA.2009.91
69. D. Alonso, F. Sánchez-Ledesma, J. Pastor, and B. Álvarez: **“A Flexible Framework for Component-Based Application with Real-Time Requirements and its Supporting Execution Framework”**. In *Embedded and Real Time System Development: A Software Engineering Perspective: Concepts, Methods and Principles*. Berlin, Heidelberg: Springer, 2014, pp. 3–22. DOI: 10.1007/978-3-642-40888-5_1
70. N. Serbedzija: **“Engineering Adaptation: A Component-based Model”**. In *ADVCOMP 2012 : The Sixth International Conference on Advanced Engineering Computing and Applications in Sciences*. 2012. ISBN: 978-1-61208-237-0
71. K. Rahul and B. K. Sinha: **“Analysis of software component quality to improve object utilization in software development process”**. In *2016 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT)*. 2016, pp. 515–518. DOI: 10.1109/ICATCCCT.2016.7912053

2.2 In foreign peer reviewed proceedings

2.2.1 Publications with IF

- T. Bures and F. Plasil: “**Communication Style Driven Connector Configurations**”. In *Software Engineering Research and Applications: First International Conference, SERA 2003, San Francisco, CA, USA, June 25-27, 2003, Selected Revised Papers*. Berlin, Heidelberg: Springer, 2004, pp. 102–116. DOI: 10.1007/978-3-540-24675-6_11. WOS 2004 IF 0.513, SCOPUS 2004 SNIP 0.756
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