

Publication list

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Citation summary

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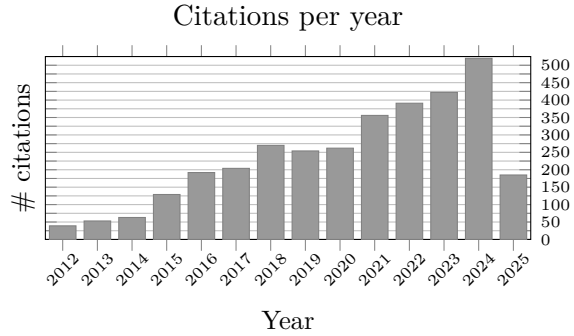
Number of Citations: 3489

h-index: 34

i10-index: 78

i100-index: 7

g-index: 52



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- [W12] A. Al-Dulaimy, C. Sicari, A. V. Papadopoulos, A. Galletta, M. Villari, and M. Ashjaei. “TOLERANCER: A Fault Tolerance Approach for Cloud Manufacturing Environments”. In: *Cloud Native Real Time Systems Workshop (CLONAR)*. Stuttgart, Germany, Sept. 2022, pp. 1–8. DOI: 10.1109/ETFA52439.2022.9921606.
- [W11] V. Struhár, M. Ashjaei, M. Behnam, S. S. Craciunas, and A. V. Papadopoulos. “RT-SCALER: Adaptive Resource Allocation Framework for Real-Time Containers”. In: *1st International Workshop on Real-time And intelliGent Edge computing (RAGE)*. San Francisco, USA, Sept. 2022.
- [W10] A. V. Papadopoulos and L. Esterle. “Situational Trust in Self-aware Collaborating Systems”. In: *Workshop on Self-Improving System Integration (SISSY) – IEEE International Conference on Autonomic Computing and Self-Organizing Systems Companion (ACSOS-C)*. Washington DC, USA, Aug. 2020, pp. 91–94. DOI: 10.1109/ACSOS-C51401.2020.00037.
- [W9] A. V. Papadopoulos and L. Esterle. “Trust in Self-aware Systems”. In: *Self-Awareness in Cyber-Physical Systems (SelPhyS)*. Irvine, California, USA, Apr. 2020.
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- [W5] F. Terraneo, A. V. Papadopoulos, A. Leva, and M. Prandini. “FLOPSYNC-QACS: Quantization-Aware Clock Synchronization for Wireless Sensor Networks”. In: *4th International Workshop on Real Time Computing and Distributed Systems in Emergent Applications (REACTION)*. Porto, Portugal, Nov. 2016.
- [W4] K. Angelopoulos, A. V. Papadopoulos, and J. Mylopoulos. “Adaptive Predictive Control for Self-Adaptive Software Systems”. In: *Proceedings of the 1st International Workshop on Control Theory for Software Engineering (CTSE)*. Bergamo, Italy: ACM, Aug. 2015, pp. 17–21. DOI: 10.1145/2804337.2804340.
- [W3] A. V. Papadopoulos. “Design and Performance Guarantees in Cloud Computing: Challenges and Opportunities”. In: *10th International Workshop on Feedback Computing*. Seattle, WA, USA, Apr. 2015.

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- [B6] S. Kounev, C. Abad, I. T. Foster, N. Herbst, A. Iosup, S. Al-Kiswany, A. Ali-Eldin Hassan, B. Balis, A. Bauer, A. B. Bondi, K. Chard, R. L. Chard, R. Chatley, A. A. Chien, A. J. J. Davis, J. Donkervliet, S. Eismann, E. Elmroth, N. Ferrier, H.-A. Jacobsen, P. Jamshidi, G. Kousiouris, P. Leitner, P. Garcia Lopez, M. Maggio, M. Malawski, B. Metzler, V. Muthusamy, A. V. Papadopoulos, P. Patros, G. Pierre, O. F. Rana, R. P. Ricci, J. Scheuner, M. Sedaghat, M. Shahradd, P. Shenoy, J. Spillner, D. Taibi, D. Thain, A. Trivedi, A. Uta, V. van Beek, E. van Eyk, A. van Hoorn, S. Vasani, F. Wamser, G. Wirtz, and V. Yussupov. “Toward a Definition for Serverless Computing”. In: *Serverless Computing (Dagstuhl Seminar 21201)*. Ed. by C. Abad, I. T. Foster, N. Herbst, and A. Iosup. Vol. 11. Dagstuhl, Germany: Schloss Dagstuhl – Leibniz-Zentrum für Informatik, 2021, pp. 34–93. DOI: 10.4230/DagRep.11.4.34.
- [B5] A. V. Papadopoulos and M. Prandini. *Fondamenti di Automatica: Esercizi (2 Edizione)*. (In Italian). Pearson Italia, Feb. 2020.
- [B4] V. Gulisano, M. Papatriantafyllou, and A. V. Papadopoulos. “Elasticity”. In: *Encyclopedia of Big Data Technologies*. Ed. by S. Sakr and A. Y. Zomaya. Cham: Springer International Publishing, Jan. 2019, pp. 1–7. DOI: 10.1007/978-3-319-63962-8_191-1.
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- [B1] A. Leva, M. Maggio, A. V. Papadopoulos, and F. Terraneo. *Control-based operating system design*. Control Engineering Series. IET, June 2013. DOI: 10.1049/PBCE089E.

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- [P6] A. V. Papadopoulos and K. Wolter, eds. *ICPE ’25: Companion of the 16th ACM/SPEC International Conference on Performance Engineering*. Toronto ON, Canada: Association for Computing Machinery, 2025. DOI: 10.1145/3680256.
- [P5] A. V. Papadopoulos and K. Wolter, eds. *ICPE ’25: Proceedings of the 16th ACM/SPEC International Conference on Performance Engineering*. Toronto ON, Canada: Association for Computing Machinery, 2025. DOI: 10.1145/3676151.

- [P4] A. V. Papadopoulos, ed. *35th Euromicro Conference on Real-Time Systems, ECRTS 2023, July 11-14, 2023, Vienna, Austria*. Vol. 262. Leibniz International Proceedings in Informatics (LIPIcs). Dagstuhl, Germany: Schloss Dagstuhl – Leibniz-Zentrum für Informatik, 2023, 0:i–0:xvi. DOI: 10.4230/LIPIcs.ECRTS.2023.0. URL: <https://drops.dagstuhl.de/opus/volltexte/2023/18029>.
- [P3] A. Monteriú, A. V. Papadopoulos, M. Prandini, and K. Valavanis, eds. *The 30th Mediterranean Conference on Control and Automation [Conference Reports]*. Vol. 43. 1. 2022, pp. 102–103. DOI: 10.1109/MCS.2022.3216695.
- [P2] A. V. Papadopoulos and A. Biondi, eds. *Front Matter - ECRTS 2020 Artifacts, Table of Contents, Preface, Artifact Evaluation Committee*. Vol. 6. Dagstuhl Artifacts Series 1. Dagstuhl, Germany: Schloss Dagstuhl–Leibniz-Zentrum für Informatik, 2020, 0:i–0:x. DOI: 10.4230/DARTS.6.1.0. URL: <https://drops.dagstuhl.de/opus/volltexte/2020/12390>.
- [P1] S. Quinton, S. Altmeyer, and A. V. Papadopoulos, eds. *Front Matter - ECRTS 2019 Artifacts, Table of Contents, Preface, Artifact Evaluation Committee*. Vol. 5. Dagstuhl Artifacts Series 1. Dagstuhl, Germany: Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, 2019, 0:i–0:ix. DOI: 10.4230/DARTS.5.1.0. URL: <http://drops.dagstuhl.de/opus/volltexte/2019/10728>.

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- [T4] L. Bramblett, B. Miloradović, P. Sherman, A. V. Papadopoulos, and N. Bezzo. *Robust Online Epistemic Replanning of Multi-Robot Missions*. Tech. rep. CoRR, 2024. DOI: 10.48550/arXiv.2403.00641. arXiv: 2403.00641. URL: <https://arxiv.org/abs/2403.00641>.
- [T3] M. Jansen, A. Al-Dulaimy, A. V. Papadopoulos, A. Trivedi, and A. Iosup. *The SPEC-RG Reference Architecture for the Edge Continuum*. Tech. rep. CoRR, 2022. DOI: 10.48550/ARXIV.2207.04159. arXiv: 2207.04159. URL: <http://arxiv.org/abs/2207.04159>.
- [T2] A. Ilyushkin, A. Bauer, A. V. Papadopoulos, E. Deelman, and A. Iosup. *Performance-Feedback Autoscaling with Budget Constraints for Cloud-based Workloads of Workflows*. Tech. rep. CoRR, 2019. arXiv: 1905.10270. URL: <http://arxiv.org/abs/1905.10270>.
- [T1] A. V. Papadopoulos, L. Versluis, A. Bauer, N. Herbst, J. von Kistowski, A. Ali-Eldin, C. L. Abad, J. N. Amaral, P. Tuma, and A. Iosup. *Methodological Principles for Reproducible Performance Evaluation in Cloud Computing*. Tech. rep. SPEC-RG-2019-03. SPEC, Apr. 2019. URL: <https://research.spec.org/news/single-view/article/technical-report-on-reproducible-performance-evaluation-in-cloud-computing-published.html>.

Software Artifacts (Year ▼, Author ▲)

- [A3] F. Marković, A. V. Papadopoulos, and T. Nolte. “On the Convolution Efficiency for Probabilistic Analysis of Real-Time Systems (Artifact)”. In: *Dagstuhl Artifacts Series 7.1* (2021). Ed. by F. Marković, A. V. Papadopoulos, and T. Nolte, 1:1–1:2. DOI: 10.4230/DARTS.7.1.1. URL: <https://drops.dagstuhl.de/opus/volltexte/2021/13980>.

- [A2] A. V. Papadopoulos, E. Bini, S. Baruah, and A. Burns. “AdaptMC: A Control-Theoretic Approach for Achieving Resilience in Mixed-Criticality Systems (Artifact)”. In: *Dagstuhl Artifacts Series* 4.2 (2018), 1:1–1:3. DOI: 10.4230/DARTS.4.2.1. URL: <http://drops.dagstuhl.de/opus/volltexte/2018/8969>.
- [A1] M. Maggio, A. V. Papadopoulos, A. Filieri, and H. Hoffmann. “Self-Adaptive Video Encoder: Comparison of Multiple Adaptation Strategies Made Simple (Artifact)”. In: *Dagstuhl Artifacts Series* 3.1 (2017), 2:1–2:3. DOI: 10.4230/DARTS.3.1.2. URL: <http://drops.dagstuhl.de/opus/volltexte/2017/7140>. (**Best artefact award**).

Other Publications (Year ▼, Author ▲)

- [O1] A. V. Papadopoulos and M. Maggio. *Autonomous Computing Systems: The Convergence of Control Theory and Computing Systems*. IEEE Software Blog. 2019. URL: <http://blog.ieeesoftware.org/2019/07/autonomous-computing-systems.html>.

Submitted to International Journals (Year ▼, Author ▲)

- [SJ5] M. Kaheni, V. De Iuliis, C. Manes, and A. V. Papadopoulos. “Stability-Guaranteed Defense Mechanism for Detecting Integrity Attacks on Cyber-Physical Systems”. In: *IEEE Transactions on Automatic Control* (May 2025). (submitted under review).
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