

PUBLICATIONS

• Papers are at:

<https://www.researchgate.net/profile/A-Chronopoulos/research>

• List of papers with citations (5020) and h-index (37) are at:

<https://scholar.google.gr/citations?user=vpaOim8AAAAJ&hl=en>

• Most significant contributions, in the list below, are on the topics of : **(I)** ‘Communication Avoiding’ (s-step) Krylov Subspace Methods (KSM) for sparse linear problems that are scalable on Parallel Computing Systems (PCS) (over 10 papers, marked by ‘*’). **(II)** Game theory (GT) based load balancing (LB) algorithms for distributed computing systems (DCS) (e.g. Clouds, Grids, IoT) (over 10 papers, marked by ‘**’).

Refereed Journal Publications

[J115] Z. Xiao, W. Chen, Y. Qin, F. Wu, A. T. Chronopoulos, A. Nicolau, K. Li, NGLIC: A Non-Aligned-Row Legalization Approach for 3D Inter-Die Connection, *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, 43(2), 404-416, February 2024

DOI: [10.1109/TCAD.2023.3317794](https://doi.org/10.1109/TCAD.2023.3317794)

[J114] Z. Tong, X. Deng, Z. Xiao, D. He, A. T. Chronopoulos, S. Dustdar, A Bilateral Game Approach for Task Outsourcing in Multi-access Edge Computing, *IEEE Transactions on Network and Service Management*, 18 July 2023, (early access).

DOI: [10.1109/TNSM.2023.3296676](https://doi.org/10.1109/TNSM.2023.3296676)

[J113] T. Abe, A. T. Chronopoulos, The generalized residual cutting method and its convergence characteristics, *Numer Linear Algebra Appl.*, 30(6), e2517, December 2023

<https://doi.org/10.1002/nla.2517>

[J112] Band, Shahab S., Atefeh Yarahmadi, Chung-Chian Hsu, Meghdad Biyari, Mehdi Sookhak, Rasoul Ameri, Iman Dehzangi, A. T. Chronopoulos, and Huey-Wen Liang, Application of explainable artificial intelligence in medical health: A systematic review of interpretability methods, *Informatics in Medicine Unlocked*, 40(2023): 101286, 10 June 2023.

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[J111] A. Kishor, R. Niyogi, A. T. Chronopoulos, A. Zomaya, Latency and Energy-Aware Load Balancing in Cloud Data Centers: A Bargaining Game Based Approach, *IEEE Transactions on Cloud Computing*, 11, 927-941, Jan.-March 2023

DOI: [10.1109/TCC.2021.3121481](https://doi.org/10.1109/TCC.2021.3121481)

[J110] C. Li, A. He, Y. Wen, G. Liu and A. T. Chronopoulos, Optimal Trading Mechanism Based on Differential Privacy Protection and Stackelberg Game in Big Data Market, *IEEE Transactions on Services Computing*, Feb 2023, (early access)

DOI: [10.1109/TSC.2023.3242338](https://doi.org/10.1109/TSC.2023.3242338)

[J109] Z. Xiao, P. Wei, A. T. Chronopoulos, A. C. Elster, A Distributed Integrated Feature Selection Scheme for Column Subset Selection, *IEEE Transactions on Knowledge and Data Engineering*, 35:3, 2193 – 2205, March 1 2023.

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[J108] Z. Xiao, Z. Nie, C. Song, A. T. Chronopoulos, An extended attention mechanism for scene text recognition, *Expert Systems with Applications*, 203, 117377, October 2022.

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[J107] H. Xiao, W. Zhang, A. T. Chronopoulos, Joint Subchannel and Power Allocation for Energy Efficiency Optimization in NOMA Heterogeneous Networks With Energy Harvesting, *IEEE Systems Journal*, 16(3), 4904-4915, Sept. 2022.

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[J106] A. Badshah, A. Ghani, A. Daud, A. T. Chronopoulos, A. Jabal, Revenue maximization approaches in IaaS clouds: Research challenges and opportunities, *Trans. on Emerging Telecommunications Technologies*, 33(7), July 2022.

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