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**EDUCATION**

**Ph.D In computer**University of Glasgow 2000-2003
**M.Sc In Computer Architecture**Iran University of Science and Technology 1993-1996
**B.Sc In Electrical Engineering - Hardware**Shahid Beheshti 1987-1992

**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1269** | **18** | **79** | **39** | **2** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

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**2.** A Generalized Residue Number System Design Approach for Ultralow-Power Arithmetic Circuits Based on Deterministic Bit-Streams. Givaki Kamyar, Khonsari Ahmad, Gholamrezaei MohammadHosein, Gorgin Saeid, Najafi M. Hassan (2023)., IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS, 42(11), 3787-3800.

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**5.** On the Age of Status Updates in Unreliable Multi-Source M/G/1 Queueing Systems. Senthil Kumar Muthukrishnan, Dadlani Aresh, Moradian Masoumeh, Khonsari Ahmad, Tsiftsis Theodoros A. (2023)., IEEE COMMUNICATIONS LETTERS, 27(2), 751-755.

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**10.** Serverless Computing: A Survey of Opportunities, Challenges, and Applications. SHAFIEI HOSSEIN, Khonsari Ahmad, Mousavi Payam (2022)., ACM COMPUTING SURVEYS, 54(11s), 1-32.

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**12.** High-Performance Deterministic Stochastic Computing Using Residue Number System. Givaki Kamyar, Hojabrossadati Seyedreza, Gholamrezaei M.H, Khonsari Ahmad, Gorgin Saeid, Rahmati Dara, Najafi Mohammad Hassan (2021)., IEEE DESIGN & TEST OF COMPUTERS, 38(6), 60-68.

**13.** BCHealth: A Novel Blockchain-based Privacy-Preserving Architecture for IoT Healthcare Applications. Mohammad Hossein Koosha, Esmaeili Mohammad esmaeil, Dargahi Tooska, Khonsari Ahmad, Conti Mauro (2021)., COMPUTER COMMUNICATIONS, 180(180), 31-47.

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**27.** General spin-up time distribution for energy-aware IaaS cloud service models. Chitsaz Behzad, Khonsari Ahmad (2019)., Cluster Computing-The Journal of Networks Software Tools and Applications, 23(93).

**28.** Bayesian inference of private social network links using prior information and propagated data. Seyedhassani Amirreza, Sayadhaghighi Mohammad, Khonsari Ahmad (2018)., JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING, 125(1).

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**37.** Maximum-Quality Tree Construction for Deadline-Constrained Aggregation in WSNs. Alinia Bahram, Hajiesmaili Mohammad Hassan, Khonsari Ahmad, Crespi Noel (2017)., IEEE SENSORS JOURNAL, 17(12), 3930-3943.

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**52.** HARP: Harnessing Inactive Threads in Many-Core Processors. Lashgar Ahmad, Khonsari Ahmad, Baniasadi Amirali (2014)., ACM Transactions on Embedded Computing Systems, 13(3s), 1-25.

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**62.** Cost-aware monitoring of network-wide aggregates in wireless sensor networks. Mohammad Sadegh Talebi, Khonsari Ahmad, Amin Mohtasham, Ali Abbasi (2011)., Computer Networks, 55(6), 1276-1290.

**63.** Utility-proportional bandwidth sharing for multimedia transmission supporting scalable video coding. Mohammad Sadegh Talebia, Khonsari Ahmad, Mohammad H Hajiesmailia (2010)., COMPUTER COMMUNICATIONS, 33(13), 1543-1556.

**64.** On the Topological Properties of Grid-Based Interconnection Networks: Surface Area and Volume of Radial Spheres. H Sarbazi Azad, Khonsari Ahmad, M Ouldkhoua (2010)., COMPUTER JOURNAL, 54(5), 726-737.

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**71.** Pipelined circuit switching Analysis for the torus with non - uniform traffic. F Safaei, Khonsari Ahmad, M Fathy (2008)., JOURNAL OF SYSTEMS ARCHITECTURE, 54(1-2), 97-100.

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***Books***

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***Conferences***

**1.** Content Caching in Shared Medium Networks with Non-Uniform and User-Dependent Demands. Ghaffari Sheshjavani Abdollah, Khonsari Ahmad, Shariatpanahi Seyed Pooya, Moradian Masoumeh, Dadlani Aresh (2022)., ICC 2022 - IEEE International Conference on Communications, 16-20 May, seoul, South Korea.

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**5.** X-Layer: Building Composable Pipelined Dataflows for Low-Rank Convolutions. Vedula Naveen, Hojabrossadati Seyedreza, Khonsari Ahmad, Shriraman Arrivndh (2021)., 2021 30th International Conference on Parallel Architectures and Compilation Techniques (PACT), 26-29 September, Atlanta, United States.

**6.** SoftTap: A Software-Defined TAP via Switch-Based Traffic Mirroring. Sadrhaghighi Sogand, Dolati Mahdi, Ghaderi Majid, Khonsari Ahmad (2021)., 2021 IEEE 7th International Conference on Network Softwarization (NetSoft), 28 June-2 July, Tokyo, Japan.

**7.** SPAGHETTI: Streaming Accelerators for Highly Sparse GEMM on FPGAs. Hojabrossadati Seyedreza, Sedaghati Ali, Sharifian Amirali, Khonsari Ahmad, Shriraman Arrvindh (2021)., 2021 IEEE International Symposium on High-Performance Computer Architecture (HPCA), 27 February-3 March, seoul, South Korea.

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