Paper Reading List

1. Samajdar, A., Joseph, J. M., Zhu, Y., Whatmough, P., Mattina, M., & Krishna, T. (2020, August). A systematic methodology for characterizing scalability of dnn accelerators using scale-sim. In *2020 IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS)* (pp. 58-68). IEEE.

    Authors: Ananda Samajdar, Jan Moritz Joseph, Yuhao Zhu, Paul Whatmough, Matthew Mattina, Tushar Krishna

    Venue: 2020 IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS)

    Year: 2020

    Link: https://ieeexplore.ieee.org/abstract/document/9238602

2. Venkataramani, S., Srinivasan, V., Wang, W., Sen, S., Zhang, J., Agrawal, A., ... & Gopalakrishnan, K. (2021, June). RaPiD: AI accelerator for ultra-low precision training and inference. In *2021 ACM/IEEE 48th Annual International Symposium on Computer Architecture (ISCA)* (pp. 153-166). IEEE

    Authors: Swagath Venkataramani, Vijayalakshmi Srinivasan, Wei Wang, Sanchari Sen, Jintao Zhang, Ankur Agrawal

    Venue: 2021 ACM/IEEE 48th Annual International Symposium on Computer Architecture (ISCA)

    Year: 2021

    Link: https://ieeexplore.ieee.org/abstract/document/9499865

3. Zhang, H., Ning, A., Prabhakar, R. B., & Wentzlaff, D. (2024, June). LLMCompass: Enabling Efficient Hardware Design for Large Language Model Inference. In *2024 ACM/IEEE 51st Annual International Symposium on Computer Architecture (ISCA)* (pp. 1080-1096). IEEE.

    Authors: Hengrui Zhang, August Ning, Rohan Prabhakar, David Wentzlaff

    Venue: 2024 ACM/IEEE 50th Annual International Symposium on Computer Architecture (ISCA)

    Year: 2024

Link: https://ieeexplore.ieee.org/abstract/document/10609604

4. Kothari, G., & Ghose, K. (2023, October). Thermally-Aware Multi-Core Chiplet Stacking. In *2023 IEEE/ACM International Conference on Computer Aided Design (ICCAD)* (pp. 1-9). IEEE.

   Authors: Gaurav Kothari, Kanad Ghose

   Venue: 2023 IEEE/ACM International Conference on Computer Aided Design (ICCAD)

   Year: 2023

   Link: https://ieeexplore.ieee.org/abstract/document/10323991

5. **[Survey Paper]** Sabt, M., Achemlal, M., & Bouabdallah, A. (2015, August). Trusted execution environment: What it is, and what it is not. In *2015 IEEE Trustcom/BigDataSE/Ispa* (Vol. 1, pp. 57-64). IEEE.

   Authors: Mohamed Sabt, Mohammed Achemlal, Abdelmadjid Bouabdallah

   Venue: 2015 IEEE Trustcom/BigDataSE/ISPA

   Year: 2015

   Link: https://ieeexplore.ieee.org/abstract/document/7345265

6. **[Demo Paper]** Luo, H., Tu, Y. C., Bostancı, F. N., Olgun, A., Ya, A. G., & Mutlu, O. (2023). Ramulator 2.0: A Modern, Modular, and Extensible DRAM Simulator. IEEE Computer Architecture Letters.

   Authors: Haocong Luo, Yahya Can Tugrul, F. Nisa Bostancı, Ataberk Olgun, A. Giray Ya ğlıkçı, and Onur Mutlu

   Venue: IEEE Computer Architecture Letters, Vol. 23, No. 1

   Year: January – June 2024

   Pages: 112 - 116

   Link: https://ieeexplore.ieee.org/abstract/document/10321647