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Co-Design Of Deep Neural Nets And Neural Net Accelerators For Embedded Vision Applications Kiseok Kwon,<sup>1,2</sup> Alon Amid,<sup>1</sup> Amir Gholami,<sup>1</sup> Bichen Wu,<sup>1</sup> Krste Asanovic,<sup>1</sup> Kurt Keutzer<sup>1</sup>  
<sup>1</sup> Berkeley AI Research, University Of California, Berkeley <sup>2</sup> Samsung Research, Samsung Electronics, Seoul, South Korea {kiseo Mar 1th, 2024  
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Neural Network, Power, Inference, Domain Specific Architecture  
ACM Reference Format: Kiseok Kwon,<sup>1,2</sup> Alon Amid,<sup>1</sup> Amir Gholami,<sup>1</sup> Bichen Wu,<sup>1</sup> Krste Asanovic,<sup>1</sup> Kurt Keutzer<sup>1</sup>. 2018. Invited: Co-Design

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[Https://hagan.okstate.edu/nnd.html](https://hagan.okstate.edu/nnd.html) [2] Abu-Mostafa Et Al. Learning From Data, A Short Course, 2012. [3] Mathworks, NeuralNetwork Toolbox User'sGuide(2017) Jan 20th, 2024FPGA Implementation Of PSO Algorithm And Neural NetworksSwarm Optimization Algorithm (PSO) And The Neural Network (NN). Particle Swarm Optimization (PSO) Is A Popular Population-based Optimization Algorithm. While PSO Has Been Shown To Perform Well In A Large Variety Of Problems, PSO Is Typically Implemented In Software. Population-based Optimization Algorithms Such As PSO Are Well Suited For ... Mar 7th, 2024.

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