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A3D3: Accelerating AI Algorithms

Wednesday 26 October 2022 16:30 (1 hour)

A3D3 Institute, Accelerated Artificial Intelligence Algorithms for Data-Driven Discovery, aims to pursue next generation AI Algorithms combined with next generation processor technology to develop AI algorithms that can be run fast to solve real-time scientific problems with AI Domains: High Energy Physics, Multi-Messenger Astronomy, and Neuroscience. We will present Hardware-Algorithm co-design and collaborative approaches within different science domains to achieve optimal low latency and performance for science. We are also working to make Machine Learning challenges to highlight low latency domain and aiming to connect with MLPerf science and other organization with similar computational challenges.

Research

Education and Outreach

Data & Cyberinfrastructure

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