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ON-CHIP IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE MACHINE LEARNING

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Dr. Farah Fahim is a senior engineer specializing in mixed-signal ASIC design. She has developed low-noise, high-speed, reconfigurable pixel detectors which operate in harsh environments for a variety of applications including high-energy physics, photon science, and space science. Farah has a Ph.D. in Electrical and Computer Engineering from Northwestern University. She joined Fermilab in 2009, prior to which she was an engineer at Rutherford Appleton Laboratory. She holds five patents and several records of invention. She received the Fermilab Exceptional Performance Recognition Award in 2016 and 2019, as well as the IEEE NSS Best Presentation Award in 2016. She has co-chaired several conferences on quantum cryogenic electronics as well as front-end electronics for radiation detectors.
Farah Fahim is Deputy Head of Quantum Science at Fermilab since Oct. 2019 and Adjunct Professor at Northwestern (where she received her PhD) since University Jan. 2020.

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