

## **Bring Intelligence to the Edge: Lessons and Roadmap for Edge AI**

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Similar to the progression from cloud computing to cloud intelligence, we are witnessing a fast evolution on the edge of network from edge computing to edge intelligence (aka Edge AI). As a research branch that merges distributed computing, data analytics, embedded and distributed ML, Edge AI is envisioned to provide adaptation for data-driven applications, enhance network access performance, and enable the creation, optimization and deployment of distributed AI/ML pipelines with the given quality of experience, trust, security and privacy targets. However, despite of all the promises ahead, the path to realize Edge AI is far from straightforward. This talk will introduce active research explorations to bring 'intelligence' to the network edge. Besides practical lessons, the talk will share an envisioned roadmap with concerns on trust and sustainability to further advance the domain of Edge AI.