Energy-efficient On-device Processing for Next-generation Endpoint ML
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This talk will show how Arm IP, including future processors based on Arm Helium technology, along with comprehensive software libraries and a widely supported ecosystem, provides new performance levels for system designers creating ML solutions of tomorrow. Combining signal processing and neural network acceleration brings multi-fold efficiency gains compared to existing microcontroller systems today. Coupled with enabling software, Arm IP enables mass deployment of next-generation AI platforms for IoT everywhere, within reach of every developer.

We will discuss real-world examples and benchmarks to demonstrate the scalable performance of Arm system-on-chip (SoC) technologies to help you choose the right IP for your application. Attendees will walk away with an understanding of how to accelerate software development on a single Arm Cortex-M toolchain with optimized software libraries and the choice offered by the Arm ecosystem. All resulting in much more efficient, more secure solutions for AI in IoT that are easier to develop, deploy and maintain.