

EDGE CORTIX®

Edge AI Accelerator Workshop: Hands-On with SAKURA®-II and MERA

October 22, 2025

TKP Garden City, Sendai, Japan | Hall 5C: 9:00 AM - Noon (JST)

HARDWARE & IP:



9:00 - 10:10 AM

EdgeCortix Company Overview

Sudhakar Kale | VP of Silicon Engineering

EdgeCortix develops energy-efficient AI processors optimized for Generative AI at the edge. Leveraging patented hardware-software co-design and adaptable accelerators, we deliver industry-leading performance per watt inference across defense, aerospace, smart cities, Industry 4.0, robotics, and telecommunications.



SAKURA-II Overview

Discover how SAKURA-II delivers power-efficient, real-time AI acceleration for Generative AI and edge applications in vision, language, and multimodal workloads.



SAKURA-X / NOVAEDGE / 5G Overview

Learn about SAKURA-X, a chiplet-based platform redefining efficiency and scalability for Generative AI and next-gen Open RAN.



IP – DNA-II / Next Generation

The Dynamic Neural Accelerator® (DNA) IP serves as the foundational architecture driving our edge AI accelerators. Explore its robust capabilities today and the groundbreaking advancements planned for the next generation.



SAKURA-II & DNA Q&A

SOFTWARE:



10:10 - 10:50 AM

MERA Overview

Discover MERA, our machine-learning compiler and software stack that transforms advanced large language models (LLMs) into highly optimized code for EdgeCortix AI accelerators.

Antonio Nevado Vilchez | Senior Compliance Engineer
Patrick Suwanvithaya | Program Manager (ML Solutions)



MERA Q&A



10:50-11:05 AM

Break

DEMOS:



11:05 - 11:25 AM

SAKURA-II Demonstrations & Q&A

Live Showcase: See live demos of SAKURA-II, our edge AI accelerator designed for generative AI, multimodal, and multi-model workloads- delivering outstanding energy efficiency and real-time performance for the most demanding edge applications.

Patrick Suwanvithaya and Uzzal Podder

HANDS-ON:



11:25 - 11:55 AM

Hands On Simulator

Hands-On Simulator: Dive into the machine learning workflow with EdgeCortix MERA & SAKURA-II. Participants will take an ONNX object detection model, compile it with our MERA software stack, and run it in *Simulator* mode – all within a cloud-hosted Jupyter Notebook accessible from their own laptops.

Uzzal Podder | Machine Learning Solutions Engineer



11:55 AM - Noon: Final Q&A & Wrap-Up



SAKURA-II
Modules and Cards:
Get the Details

