

Intel Demonstrates Latest AI and Computer Vision Tech at CVPR

On July 22-25 at the conference on [Computer Vision and Pattern Recognition \(CVPR\)](#) in Honolulu, Hawaii, Intel (booth #629) will demonstrate the latest deep learning and computer vision technologies that are breaking boundaries to enable devices to become intelligent and autonomous by seeing, understanding, interacting with and learning from their environments. [Intel® Movidius™](#) and [Intel® RealSense™](#) technologies are fundamentally reshaping the potential for truly “smart” devices that perform both highly complex processes and everyday activities, from collision avoidance in automobiles and drones to assistance with your daily routine.

Movidius Neural Compute Stick Accelerates AI Applications at the Edge

Announced on July 20 and available for purchase at CVPR, Movidius™ Neural Compute Stick is the world's first self-contained AI accelerator in a USB format. Based on the [Movidius™ Myriad 2 VPU](#), the device empowers researchers and product developers with dedicated deep neural network (DNN) processing capabilities at the edge for augmented and virtual reality applications, drones, robotics, smart security solutions and more.

- **Software Development Kit (SDK) Tools in Action** – Developers will step through the Movidius Neural Compute SDK by using the toolkit to profile and tune a neural network and the platform API to compile and integrate into an application.
- **Multi-Stick Neural Network Scaling** – See how to scale neural networks with four Movidius Neural Compute Sticks running simultaneously to accelerate object recognition.
- **Multi-Stage Multi-Task Convolutional Neural Network (MTCNN)** – In this demo, see how the Movidius Neural Compute Stick supports sophisticated DNN, such as MTCNN, a complex multi-stage neural network for facial recognition.

For more details, please visit <http://developer.movidius.com/where-to-buy>

Intel RealSense Technologies Sense and Understand

Intel® RealSense™ technology is expanding our ability to collect, store and analyze data and contributing to the exciting new frontiers of computer vision, machine learning and artificial intelligence – fields that hold the potential to make our world safer, more productive and more immersive. Intel is pleased to introduce its next-generation depth-sensing technology: the Intel® RealSense™ D400 Series family.

- **Experience Multiple Views with Intel RealSense Depth Cameras** – See Intel RealSense Vision Processor D4 stream multiple views, including depth, infrared and color imagery. Interact with a color-mapped point cloud to view real-time parameter adjustments, playback pre-recorded imaging and change color mapping.
- **Intel RealSense Depth Cameras for All Uses** – Experience various use cases for Intel RealSense Depth Cameras D400 Series, including indoor, outdoor and low-to-ground uses such as robot vacuums, drones and face-recognition applications. Compare depth-sensing capabilities between Intel RealSense and other cameras.

For details about Intel RealSense and to sign up for updates, please visit <https://realsense.intel.com>

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