A Faster Path for IoT Deployment

Preview the latest Intel® IoT developer tools to reduce complexity and accelerate prototyping at Embedded World 2018. See the new UP Squared® Grove* IoT Dev Kit and Intel® System Studio in action.

Check them out >

ARTIFICIAL INTELLIGENCE

Deep Learning Improves Cervical Cancer Screening Accuracy by 81%

Kaggle® Master Luis Andre Dtura e Silva developed two AI solutions and was recognized for "Best Intel Tools Usage" in the recent Kaggle Competition. Read this first in a series of case studies on finalists.

Get started >

Build an Image Classifier in Five Steps

Using the Intel® Movidius Neural Compute Stick, apply pre-trained networks to create an image classifier - in just five steps.

Read it >
INTERNET OF THINGS (IOT)

A Closer Look at Object Detection, Recognition and Tracking

This article makes a clear distinction between the terms object detection, object recognition and object tracking and explores some of the algorithms underpinning these definitions.

Tutorial: Using Inference to Accelerate Computer Vision Applications

Inference is the process of using a trained neural network to infer meaning from data. This tutorial covers the basics of using the Deep Learning Deployment Toolkit's Inference Engine.

VIRTUAL REALITY (VR)

Lone Echo* Shatters Gravity Limitations for VR Success

Using a powerful system based on an Intel® Core™ X-series processor, players can leverage video, audio and AI for a fresh new gaming experience. Lone Echo sets a high bar for VR games to follow.

Video: OpenXR* and the Future of AR/VR/MR Gaming


DATA CENTER

Intro to the Data Plane Development Kit (DPDK)

Boost Your C++ Applications with Persistent

Modern Code Developer Challenge Contestants
Eventdev Library

For better system load balancing, partition the workload for your packet processing application using the DPDK Event Device Library (eventdev). This intro includes a supporting sample application.

Check it out >

Memory

Find out how to convert a C++ program to support persistent memory using the Persistent Memory Development Kit (PMDK). A supporting code sample is available.

Try it >

Innovate on HPC, AI & IoT Projects

Intel partnered with CERN to sponsor the Intel® Modern Code Developer Challenge. Five highly-talented student researchers worked with top physicists at CERN openlab to develop projects over a 9-week period.

Watch now >

GAME DEV

Using Optimization For A High-Quality Game Experience

Gain valuable insights on locating CPU or GPU performance bottlenecks and improve overall game experience.

Find out >

An Intro to Neural Networks

Get a simple overview of neural networks and sample code to help determine if they might be worth investigating.

Check it out >

TOOLS AND TECHNOLOGY

Application Performance Snapshot 2018

Optimize the performance of throughput-oriented applications that use OpenMP®, Intel® Threading Building Blocks and/or MPI® with this free, streamlined lightweight tool.

Analyze, Optimize and Debug Games

Use the full potential of your favorite platform while improving game frame rate and performance with the new version of Intel® Graphics Performance Analyzers.
EVENTS

Mobile World Congress
February 26 - March 1, 2018
Barcelona, Spain
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Embedded World Conference 2018
February 27 - March 1, 2018
Nuremberg, Germany
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Game Developers Conference
March 19 - 23, 2018
San Francisco, CA
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