

Altera showcases FPGA and SoC designs at Embedded World 2014
Embedded World 2014 – Hall 4 / 450

San Jose, Calif., January 29th, 2014 — [Altera Corporation](#) (NASDAQ: [ALTR](#)) today announced its participation at Embedded World 2014. On their booth, number 450 in Hall 4, Altera will discuss their portfolio of ARM[®] Cortex[™] A9 and A53 based SoC devices and will showcase a number of FPGA and SoC-based demonstrations.

In collaboration with partner Exor International, Altera will demonstrate an implementation of an integrated programmable logic controller (PLC) and a human machine interface (HMI) system running on a single 28 nm Altera Cyclone[®] V SoC. Software is provided by Exor International and 3S-Smart Software Solutions to deliver an integrated solution combining embedded control software and graphics libraries. A vision processing demonstration that will use FPGA based processing acceleration logic, created using OpenCL[™], to highlight the performance improvement an FPGA-based design can deliver for video object detection and automotive driver assistance applications will also be on the booth.

Another application will highlight the use of SoC FPGAs in automated control systems and the flexibility of FPGA devices. Together with their partner Enterpoint, the demonstration will showcase the use of Enterpoint's off the shelf SoC-based development boards in a prize grab game machine.

On the booth Altera will also demonstrate the use of the high productivity ARM DS-5[™] Altera edition tool suite. This tool suite, complete with FPGA adaptive debug features and supporting all of Altera's SoC devices, will be demonstrated on Linux and bare metal. Altera will also be showing many operating systems, including Linux, VxWorks, QNX and Windows Compact Embedded 7 running on the ARM processor inside the Cyclone V SoC devices.