



## EMC<sup>2</sup>-Development Platform



The wait is over...

.. as [Sundance](#) has now completed task WP4.6.3 and can ship the [EMC<sup>2</sup>-Development Platform](#) with a Xilinx [Zynq Z7030](#) FPGA and a commercial version of Xilinx's Vivado add-on, the [SDSoC environment](#) that will allow Software Engineers to program a FPGA in 'C' without ever have to think about any VHDL constraints. Read more in this [article](#).

The commercial value of this bundle is €2370.00 and the cost to EMC<sup>2</sup>-Partners is only €750.00

**A saving of almost 70%.**



The Processor that powers...

.. the [EMC<sup>2</sup>-Development Platform](#) is a 'System-on-Module' concept to change between various Xilinx FPGAs, like a [Artix-7](#) or a [Kintex UltraScale](#) for 'SoftCore' implementation of multiple CPU or a [Xilinx Zynq](#) variation with Dual ARM9 and still spare FPGA fabric. The EMC<sup>2</sup>-family benefits significantly from the PC/104 stackable concept that allows multiple boards to be integrated into a multi-processing system, using PCI Express or Ethernet for inter-connection between each board in the system for a heterogeneous and asymmetrical computing platform

**Contact Flemming from Sundance today!**



[UTIA](#) will be using the EMC<sup>2</sup>-DP for implementing our "Asymmetric Multiprocessing" that combines a number of the 32-bit and 8-bit "SoftCore CPUs" on the re-configurable fabric logic of a Xilinx Zynq with integrated ARM9 "HardCore CPUs". We have ported the full solution to the SDSoC environment and a produced a demonstration of an Image Processing application and this was shown at [HiPEAC'16](#) in Prague.



[SevenSol](#) will be using the EMC<sup>2</sup>-DP as a base for the development of mixed criticality solutions capable of distributing data and time over Ethernet links. We explore determinism and redundancy for next generation of distributed smart-grid applications with full synchronization capabilities. We will support EMC<sup>2</sup>-DP with our range of FMC I/O Modules that are developed for the ["White Rabbit Project"](#)