Parallel programming of heterogeneous systems using OpenCL

2 hour seminar at University of Calabria

10:30 AM, January, 22st, 2016. Department of Mathematics and Computer Science.
Room: Lab 31A (Cubo 31A – 2° piano).
Lecturer: Dr. Alessio De Rango
Target audience: Researchers/students with basic (or little) knowledge of parallelism and C programming.

The Open Computing Language (OpenCL) is a heterogeneous programming framework that is managed by the non-profit technology consortium Khronos Group. OpenCL is a framework for developing applications that executes across a range of device types made by different vendors. It supports a wide range of parallelism levels and efficiently maps to heterogeneous, single or multiple-device systems consisting of CPUs, GPUs, and other types of devices. This seminar introduces this new framework, exploring the full benefits of heterogeneous computing that it provides.

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