

Perspectives of GPU Computing in Science

Dep. of Physics, Sapienza Universita' di Roma, September 26-28 2016

organized by Dep. of Physics Sapienza, IAC, INFN, INGV, Roma, Italy

We announce an international meeting to be held at the Physics Department of Sapienza University, Rome, Italy. The conference is the second event in what we hope will become a successful series. The first twin workshops have been held in Rome and Pisa in September 2014 with a significant success.

The aim of the meeting is to present and discuss recent developments in the use of hybrid systems made of Graphic Processing Units governed by multicore CPUs for performance demanding applications in Science. With respect to the previous meeting, we intend to cover a broader range of scientific scopes and are working on collecting contributions from interdisciplinary fields ranging from high-energy physics to biology and social sciences.

We plan several sessions devoted to specific applications (disordered systems, dynamics of stellar systems, soft and hard matter, hydrodynamics, meteorology, seismology, computational biology, quantum chromodynamics, computational social sciences) with contributions focused on discussing the current state-of-the-art and future developments, as well as sessions dedicated to technical aspects in pursuing performance in parallel applications on available hardware and perspectives in hardware/software evolution.

You are warmly invited to communicate to your colleagues of this Meeting and participate to it. Please have a look to the Meeting web site

<http://www.roma1.infn.it/conference/GPU2016>

and address questions to GPU2016@uniroma1.it

Cordially, the LOC and the SOC of the Meeting