Welcome Message from Workshop Organizers


The improvement of the processor performance by increasing the clock rate has reached its technological limits. Increasing the number of processor cores rather than clock rate can give better performance and reduce problems like energy consumption, heat dissipation and design complexity. As a result we are now witnessing the emergence of multi-core processors in all markets from laptops and game consoles to servers and supercomputers. However, also from the software development perspective exploiting the full potential of multi-core computing systems is a highly complex and essentially open domain, at the moment forcing application developers to deal with numerous low-level details. Major research efforts are required to streamline the process of software development for multi-core computing systems.

The increasing interest in multi-core technology is reflected in the significant number of high-quality paper submissions. Each paper was thoroughly evaluated by members of the program committee based on originality, significance to workshop topics, and presentation quality. The acceptance rate has been about 55 percent. The selected papers address a representative set of issues related to the recent developments in multi-core computing systems. The program committee has developed an exciting workshop program, which comprises high-quality presentations of the state-of-the-art research work and a distinguished keynote speaker.

We are grateful to all the authors for submitting their papers to MuCoCoS 2010, to program committee members for their efforts to evaluate papers within a short period, and Rainer Leupers for agreeing to give the keynote speech.

Enjoy MuCoCoS 2010 in Krakow (a UNESCO World Heritage Site).

Workshop Co-chairs
Sabri Pllana, Leonard Barolli and Fatos Xhafa