

# Call for Workshop Proposals

In conjunction with the  
**2009 ACM International Conference on Computing Frontiers**  
<http://www.computingfrontiers.org>

Ischia, Italy  
May 18-20, 2009

We ask for proposals for workshops to be organized in conjunction with the 2009 ACM International Conference on Computing Frontiers. Proposals for workshops are welcome which relate to the topics of interests of the main conference (see below). Please submit your Workshop proposals (no more than 2 pages) to Josef Weidendorfer ([weidendo@cs.tum.edu](mailto:weidendo@cs.tum.edu)) on or before **Nov. 7th, 2008**.

Workshop organizers are responsible for the timing of submission deadlines and the review process for their workshop.

Please include the following information in your proposal:

- Proposed title
- Organizers and affiliations / further members of program committee
- Workshop duration: half day (around 4 talks) / full day (around 8 talks)
- A sample call for papers, including the workshop's main topics and submission deadlines

## Topics of Interest:

- Non-conventional computing;
- Next-generation high performance computing and systems;
- Application specific acceleration: Cell, GPGPU, custom and reconfigurable;
- Applications, programming models and performance analysis of advanced architectures;
- Virtualization and virtual machines;
- Grid computing;
- Compilers and operating systems;
- Workload characterization of emerging applications;
- Service oriented architecture (SOA) and system impact;
- Supercomputing;
- SOC architectures, embedded systems and special-purpose architectures;
- Temperature, energy, and variability-aware designs;
- Fault tolerance and reliability at all levels of the system;
- System management and security;
- Quantum and nano-scale computing;
- Computational biology;
- Reconfigurable computing and architecture prototyping;
- Autonomic and organic computing;
- Computation intelligence frontiers: theory and industrial applications.