

Call for Workshop Proposals

2008 ACM International Conference on Computing Frontiers

Ischia, Italy (May 5-7, 2008)

Proposals are solicited for workshops to be organized in conjunction with the 2008 ACM Computing Frontiers Conference. We welcome proposals for workshops related to innovative computing systems. A complete list of topics of interest can be found in the conference call for papers at <http://www.computingfrontiers.org/> and listed below. Please submit your Workshop proposals (no more than 2 pages) to Greg Bronevetsky (bronevetsky1@llnl.gov) on or before **Oct. 26th, 2007**.

Please include the following information in your proposal:

- Proposed title
- Organizers and affiliations
- Workshop duration
- A sample call for papers, including the workshops main topics and submission deadlines

Topics of Interest

- Non-conventional computing
- Next-generation high performance computing
- 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 architectures and special purpose architectures
- Temperature, energy, and complexity-aware designs
- System management and security
- Quantum computing
- Computational biology
- Reconfigurable computing
- Autonomic and organic computing
- Computation intelligence frontiers: theory and industrial applications
- Fault tolerance and Reliability