SBAC-PAD 2012
First Call for Papers

The 24th International Symposium on Computer Architecture and High Performance Computing

Columbia University, New York, USA, October 24-26, 2012
http://www.sbc.org.br/sbac/2012

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SBAC-PAD is an international annual conference, started in 1987, which has continuously presented an overview of new developments, applications, and trends in parallel and distributed computing technologies. SBAC-PAD is open for faculty members, researchers, specialists and graduate students around the world. In this edition, the symposium will be held at Columbia University, New York City. Authors are invited to submit manuscripts on all aspects of computer architecture and high performance computing. Topics of interest include (but are not limited to):

- **Application-specific systems**
- **Benchmarking, performance measurements, and analysis**
- **Cloud, Grid, cluster, and peer-to-peer systems**
- **Embedded and pervasive systems**
- **GPUs, FPGAs and other accelerator architectures**
- **Languages, compilers, and tools for parallel and distributed programming**
- **Modeling and simulation methodology**
- **Operating systems and virtualization**
- **Parallel and distributed systems, algorithms, and applications**
- **Power and energy-efficient systems**
- **Processor, cache, memory, storage, and network architecture**
- **Real-world applications and case studies**
- **Reconfigurable and fault-tolerant systems**

To submit an original research, please register your manuscript, in English, not exceeding 8 pages (double column, IEEE format). Submissions must be in PDF. Please check the following web site for paper submission information: http://www.sbc.org.br/sbac/2012

Important Deadlines

Paper submission deadline:	June 29, 2012
Author Notification:	August 10, 2012
Camera Ready:	August 24, 2012