PRELIMINARY CFP

SBAC-PAD 2019
31th International Symposium on Computer Architecture and High Performance Computing
October 14-16, 2019 - Campo Grande, MS, Brazil

- Processor, cache, memory, storage, and network architecture
- Real-world applications and case studies
- Reconfigurable, resilient and fault-tolerant systems

About SBAC-PAD

SBACPAD is an international symposium, started in 1987, which has continuously presented an overview of new developments, applications, and trends in parallel and distributed computing technologies. SBACPAD is open for faculty members, researchers, specialists and graduate students around the world.

In this edition, the symposium will be held at the Federal University of Mato Grosso do Sul, in Campo Grande, Brazil. Campo Grande, a city, planned in the midst of a vast green area with wide streets and avenues, is located in a plateau region, close to the great centers of the country - only 1h30min flight from São Paulo and Brasilia. The city is also an obligatory passage for the beginning of an eco-tourism adventure to those who propose to know the Pantanal and Bonito.

Authors are invited to submit manuscripts on a wide range of high-performance and distributed computing areas. Topics of interest include (but are not limited to):

- Application-specific systems
- Architecture and programming support for emerging domains (Big Data, Deep Learning, Machine learning, Cognitive Systems)
- Benchmarking, performance measurements, and analysis
- Cloud, cluster, and edge/fog computing systems
- Embedded and pervasive systems
- GPUs, FPGAs and 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

General Chair
Edson Norberto Cáceres
Federal University of Mato Grosso do Sul, Brazil

Program Chairs
Eduard Ayguad[e
Barcelona Supercomputing Center, Spain
Renato Ferreira
Federal University of Minas Gerais, Brazil

Submissions must be in English, 8 pages maximum, following the IEEE conference formatting guidelines. To be published in the conference proceedings and to be eligible for publication at the IEEE Xplore, one of the authors must register at the full rate and present its work.

Important Dates
Abstract deadline: **June 7th, 2019**
Paper deadline: **June 14, 2014**
Rebuttal period: **July 24-29, 2018**
Author notification: **August 2nd, 2019**
Camera ready: **August 16, 2019**

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