Workshop on Performance Evaluation of Parallel Applications on Large-Scale Systems

To be held in conjunction with the 12th International Conference on Parallel Processing and Applied Mathematics - PPAM 2017, Lublin, Poland, September 10-13, 2017.

The goal of the Workshop is to present the latest research in the field of Performance Evaluation of Parallel Applications. This workshop will bring together scientists, engineers, and practitioners to share and exchange their experiences, discuss challenges, and report state-of-the-art and in-progress research of all aspects in performance evaluation.

Suggested topics include (but are not limited to):

- Performance of large-scale parallel architectures and applications
- Performance of parallel, distributed, and grid-based algorithms
- Predictive performance models of cluster and grid systems and applications
- Workload characterization and traffic modeling of cluster and grid applications
- Performance evaluation of cluster and grid systems
- Case studies showing the role of performance evaluation in the design of cluster and grid systems
- Measurement and monitoring techniques and tools
- Tracing and trace analysis
- Automatic performance analysis
- Hardware and software monitors
- Test methods and tools
- Performance comparison
- Techniques for modeling achievable performance
- Performance modeling of software applications
- Performance modeling of hardware and software architectures
- Scalability studies
- Improvement in system performance through optimization and tuning
- Efficient Algorithms on Data Representation

PROGRAM COMMITTEE (to be completed):

J. Cunha, University Nova of Lisbon, Portugal
H. Krawczyk, Gdansk University of Technology, Poland
J. Kwiatkowski, Wroclaw University of Technology, Poland
J. Lourenco, University Nova of Lisbon, Portugal
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H. Wenjie, University of Missouri - St. Louis, USA
A. Sikora, University Autonoma of Barcelona, Spain
D. Rexach, University Autonoma of Barcelona, Spain
P. Medeiros, University Nova of Lisbon, Portugal

PAPER SUBMISSION AND PUBLICATION
Submitted papers must adhere to the PPAM conference rules (**http://ppam.pl**), specifically

- Papers will be refereed and accepted on the basis of their scientific merit and relevance to the Workshop topics.
- Authors should submit papers (draft version with abstract in PDF format) using PPAM submission system and concurrently to Jan Kwiatkowski (**jan.kwiatkowski@pwr.edu.pl**) before April 21, 2017. Regular papers are not to exceed 10 pages (LNCS style).

- Papers presented at the Workshop will be included into the conference proceedings published after the conference by **Springer** in the **LNCS series**.

Like the previous PPAM editions, the authors of the best papers selected by the Program Committee will be invited to submit extended versions of their work to special issues of journals with Impact Factor such as International Journal of High Performance Computing Applications, and Concurrency and Computation: Practice and Experience.

IMPORTANT DATES

Submission of Papers:	~~April 21,~~ 2017	**May 11, 2017**
Notification of Acceptance:	~~May 31, 2017~~	**June 16, 2017**
Workshop:	September 10 - 13, 2017	
Camera-Ready Papers:	November 15, 2017	

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