Workshop on Approximate Computing
Pittsburgh, PA, USA
October 6, 2016

http://approximate.uni-paderborn.de

AC16

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Deadline Extension
Call for Papers

Approximate Computing exploits the inherent error resilience of many applications to optimize power consumption, run time, and/or chip area. In particular in audio, image and video processing, but also in data mining or resource allocation tasks, approximate results are "good enough" and hard to distinguish from perfect results. In the past few years, approximate computing has been addressed from various directions. Promising solutions range from approximate arithmetic units over dedicated micro-architectures to special language constructs and compilers. The goal of the workshop is to provide an interdisciplinary forum for presenting and discussing scientific results, emerging ideas, applications, hot topics and new trends in the area of Approximate Computing.

You are invited to participate and submit your contributions to the workshop. The areas of interest include but are not limited to the following topics:

- Approximate circuits, components, and micro-architectures
- Design and synthesis of approximate circuits and systems
- Modeling, specification, and verification of approximate systems
- Test and fault tolerance of approximate circuits and systems
- Language, compiler, and operating system support for approximate systems
- Applications and case studies

Contributions: The workshop features oral presentations and posters (including a short introduction).

Publications: The workshop provides a forum for discussion in an informal atmosphere. There will be no formal proceedings. The workshop handouts will be distributed on a USB stick. Associated with the workshop, a special issue in a journal is planned.

Submissions: Submission guidelines can be found on the workshop webpage at

http://approximate.uni-paderborn.de

Key Dates:
- Submission deadline: ~~August 1, 2016~~ August 8, 2016
- Notification of acceptance: ~~August 15, 2016~~ August 21. 2016

Further Information:

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Visit the workshop web page at: **http://approximate.uni-paderborn.de**

AC16 is part of ESWEEK 2016