



CALL FOR PAPERS

ITG

11th Workshop on Parallel Systems and Algorithms

PASA 2014

Submission deadline extended to Nov 18, 2013

in conjunction with

International Conference on Architecture of Computing Systems (ARCS 2014)

Luebeck, Germany, February 25-28, 2014

organized by

GI/ITG-Fachgruppe 'Parallel-Algorithmen, -Rechnerstrukturen und -Systemsoftware' (PARS) and
GI-Fachgruppe 'Algorithmen' (ALGO)

The PASA workshop series has the goal to build a bridge between theory and practice in the area of parallel systems and algorithms. In this context practical problems which require theoretical investigations as well as the applicability of theoretical approaches and results to practice shall be discussed. An important aspect is communication and exchange of experience between various groups working in the area of parallel computing, e.g. in computer science, electrical engineering, physics or mathematics.

Topics of Interest include, but are not restricted to:

- parallel architectures & storage systems
- parallel embedded systems
- ubiquitous and pervasive systems
- reconfigurable parallel computing
- data stream-oriented computing
- interconnection networks
- network, grid and cloud computing
- distributed and parallel multimedia systems
- parallel and distributed algorithms
- models of parallel computation
- scheduling and load balancing
- parallel programming languages
- software engineering for parallel systems
- parallel design patterns
- performance evaluation of parallel systems
- parallel algorithms for big data

The workshop will comprise invited talks on current topics by leading experts in the field as well as submitted papers on original and previously unpublished research. Accepted papers will be published in the ARCS Workshop Proceedings (VDE Verlag, IEEEExplore) as well as in the PARS Newsletter (ISSN 0177-0454). The conference languages are English (preferred) and German. Papers are required to be in English.

A prize of 500 € will be awarded to the best contribution presented personally based on a student's or Ph.D. thesis or project. Co-authors are allowed, the PhD degree should not have been awarded at the time of submission. Candidates apply for the prize by e-mail to the organizers when submitting the contribution. We expect that candidates are or become members of one the groups ALGO or PARS.

Important Dates

18th November 2013 12:00CET: Extended Deadline for submission of papers of 8 pages (in English, using IEEE Style with A4, see http://www.ieee.org/conferences_events/conferences/publishing/templates.html) under: <http://www.easychair.org/conferences/?conf=pasa2014>

30th November 2013: Notification of the authors

20th December 2013: Final version for workshop proceedings

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