

CALL FOR PAPERS

23rd Workshop on Parallel Systems and Algorithms [PARS 2010](#)

in conjunction with

[23rd International Conference on Architecture of Computing Systems \(ARCS\)](#)
Hannover, Germany, February 22nd to 25th, 2010

organized by

[GI/ITG-Fachgruppe 'Parallel-Algorithmen, - Rechnerstrukturen und - Systemsoftware' \(PARS\)](#)

DEADLINE EXTENDED TO OCT 31, 2009

The PARS-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*
- *models of parallel computation*
- *data stream-oriented computing*
- *parallel and distributed algorithms*
- *network and grid computing*
- *parallel organic computing*
- *interconnection networks*
- *reconfigurable parallel computing*
- *distributed and parallel multimedia systems*
- *performance evaluation of parallel systems*
- *software engineering for parallel systems*
- *parallel programming languages*
- *new technologies & architectures (SoC, Multicores, PIM, etc.)*
- *alternative technologies (e.g. quantum or DNA computing)*

The workshop will comprise invited papers on current topics of leading experts in the field as well as submitted papers. The accepted papers shall have a length of about 10 pages A4 and will be published in the ARCS Workshop Proceedings as well as in the PARS Newsletter (ISSN 0177-0454). For ARCS 2010 participants the workshop is included in the conference fee, for participation in the workshop alone, we try to arrange a reduced fee. The conference language is English. Papers are required to be in English.

A prize of 500 € will be awarded to the best contribution presented personally by a student based on his or her MSc or PhD work. Co-authors are allowed. PhD shall not be granted upon submission. Application for the prize must be indicated upon submission by sending an email to the organizer. Applicants should become members of the Special Interest Group PARS.

Important Dates

October 31, 2009: Extended deadline for electronic submission of full papers of about 10 pages or extended abstracts of about 3 to 4 pages length under: <http://pv.fernuni-hagen.de/pars/2010/>. Papers must be submitted in pdf or postscript.

They should be formatted according to Springer LNCS style (see: <http://www.springer.de/comp/lncs/authors.html>).

November 20, 2009: Notification of the authors

December 15, 2009: Final version for workshop proceedings

February 22/23, 2010: Workshop

Program Committee

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