



CALL FOR PAPERS



9th Workshop on Parallel Systems and Algorithms PASA 2008

in Conjunction with

21st International Conference on Architecture of Computing Systems (ARCS)

Dresden, Germany, February 25th to 28th, 2008

organized by

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

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
- 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 2008 participants the workshop is included in the conference fee, for participation in the workshop alone, only a reduced fee is due. 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.

Important Dates

23rd Nov. 2007: Deadline for electronic submission of full papers of about 10 pages or extended abstracts of about 3 to 4 pages length (in English) under: <http://www.ra.informatik.tu-darmstadt.de/pasa/2008/>

14th Dec. 2007: Notification of the authors

28th Dec. 2007: Final version for workshop proceedings

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