

CALL FOR PAPERS

27th PARS Workshop on May 4+5, 2017

Hagen

<http://fg-pars.gi.de/workshops/pars-workshop-2017/>

PARS is the special interest group on parallel algorithms, parallel computer structures and parallel system software within the German Informatics Societies (GI/ITG). The goal of the bi-annual PARS Workshop is the presentation of important research within the scope of PARS and an exchange of ideas between the participants. Topics of interest are:

- **Parallel Algorithms (Presentation, Complexity, Applications)**
- **Parallel Models of Computation and Parallel Architectures**
- **Parallel Programming Languages and Libraries**
- **Tools for Parallelization (Compilers, Performance Analysis, Auto-Tuner)**
- **Parallel Embedded Systems / Cyber-Physical Systems**
- **Software Engineering for Parallel and Distributed Systems**
- **Multicore-, Manycore-, GPGPU-Computing and Heterogeneous Architectures**
- **Cluster Computing, Grid Computing, Cloud Computing**
- **Interconnect and Hardware Structures (e.g. reconfigurable systems)**
- **Future Technologies and new Computational Paradigms for Architectures (SoC, PIM, STM, Memristor, DNA-Computing, Quantum Computing)**
- **Teaching Parallel Computation (Experiences, E-Learning)**
- **Parallel and Distributed Computing in Life Sciences (e.g. Bio-Informatics, Medical Informatics)**

Workshop languages are German and English. Papers are limited to 10 pages. The workshop proceedings will be published in the yearly newsletter of the PARS special interest group (PARS-Mitteilungen, ISSN 0177-0454). The Workshop fee will be about 100 €

Important Dates: Papers of at most 10 pages (Format: [GI Lecture Notes in Informatics](#), previously unpublished) are to be submitted electronically until **March 15, 2017** via:
<http://www.easychair.org/conferences/?conf=pars2017>

Author notification: **April 1, 2017**

Submission of camera-ready papers: **August 31, 2017** (after Workshop)

Program Committee: A. Döring, Zürich • N. Eicker, Jülich • T. Fahringer, Innsbruck • D. Fey, Erlangen
V. Heuveline, Heidelberg • R. Hoffmann, Darmstadt • B. Juurlink, Berlin • W. Karl, Karlsruhe
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Student Paper Award: The best paper based on a master or PhD thesis, and presented by the thesis author, will receive the student paper award of the PARS special interest group (endowed with 500 €). Co-authors are allowed, the PhD degree should not yet be awarded at the time of paper submission. Application for the award by e-mail to the organizers at the time of paper submission.

Sponsor: GI/ITG special interest group PARS, <http://fg-pars.gi.de>

Organizers: Prof. Dr. Wolfgang Karl, Chair for Computer Architecture and Parallel Processing
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