PARMA-DITAM Workshop CALL FOR PAPERS

PARMA-DITAM 2023

PARMA 2023: 14th Workshop on Parallel Programming and Run-Time Management Techniques for Many-core Architectures

DITAM 2023: 12th Workshop on Design Tools and Architectures for Multi-Core Embedded Computing Platforms

The current trend towards many-core and the emerging accelerator-based architecture requires a global rethinking of software and hardware design, which turn out to be more than ever before strongly entangled.

The PARMA-DITAM workshop focuses on many-core architectures, parallel programming models, design space exploration, tools and run-time management techniques to exploit the features and boost the performance of such (possibly heterogeneous, (re-)programmable and/or (re-)configurable) many-core processor architectures from embedded to high performance computing platforms and cyber-physical systems.

TOPIC AREAS

The workshop will have seven main topics:

- T1: Parallel programming models and languages, compilers and virtualization techniques
- T2: Runtime modelling, monitoring, adaptivity, and management
- T3: Runtime trade-off execution, power management, and memory management
- T4: Heterogeneous and reconfigurable many-core: architectures and design space exploration
- T5: Methodologies, design tools, and high level synthesis for many-core architectures
- T6: Parallel applications for many-core platforms
- T7: Case studies, success stories and applications applying T1-T6

ORGANIZATION

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PAPER SUBMISSION INSTRUCTIONS

We are currently in the process to secure publication of our proceedings in a venue indexed by Scopus/WoS.

Papers should be submitted electronically through the workshop website. The review process will be **double-blind**.

Electronic paper submission requires a full paper, up to 10 single column pages, excluding title page and references. Papers should be submitted in PDF format. Please use the following template when preparing your manuscript: https://submission.dagstuhl.de/documentation/authors#oasics

IMPORTANT DATES (new)

Paper submission deadline:	11 November 2022	23:59 UTC
Notification of acceptance:	09 December 2022	
Camera ready version:	31 December 2022	
Workshop:	17 January 2023	(co-located with HiPEAC)

parma-ditam-workshop.github.io