

PARMA-DITAM Workshop CALL FOR PAPERS

PARMA-DITAM 2021

PARMA 2021: 12th Workshop on Parallel Programming and Run-Time Management Techniques for Many-core Architectures

DITAM 2021: 10th 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. The PARMA-DITAM workshop focuses on the advanced many core architectures, accelerator based many-core system-on-chips, programming models, design space exploration and tools and run-time management techniques to exploit the features of such (heterogeneous) many-core processor architectures from embedded to high-performance computing platforms.

TOPIC AREAS

The workshop will have six main topics:

- T1: Programming models and languages, compilers and virtualization techniques
- T2: Runtime adaptivity, runtime management, power management and memory management
- T3: Heterogeneous and reconfigurable many-core architectures, accelerator-based architectures, and design space exploration
- T4: Design tools and methodologies for many-core architectures
- T5: Parallel applications for many-core platforms
- T6: Architectures and compiler techniques to accelerate deep neural networks, neuromorphic accelerators

ORGANIZATION

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PAPER SUBMISSION INSTRUCTIONS

Proceedings of the workshop will be published in the **ACM International Conferences Proceedings Series** (under approval). 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 6 double column ACM format pages**, including figures and references. Papers should be submitted in PDF format. Please use the following template when preparing your manuscript: <http://www.acm.org/signs/publications/proceedings-templates>

IMPORTANT DATES

Paper submission deadline:	13 November	2020	23:59 UTC
Notification of acceptance:	15 December	2020	
Camera ready version:	21 December	2020	
Workshop:	19 January	2021	(co-located with HiPEAC Conference)

parma-ditam-workshop.github.io