PARMA-DITAM Workshop PROGRAM

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

Location: Room **Servanty** Tuesday, 17 January 2023

	Tuesday, 17 January 2023
09:00 - 10:00	HiPEAC Keynote
10:00 - 10:15	PARMA-DITAM Opening session
	Chair: Stefano Cherubin, Edinburgh Napier University
10:15 - 11:00	[Invited Talk] ByteNite: A New Commercial Model of Grid Computing
10.15 - 11.00	Fabio Caironi, Niccolò Castelli (ByteNite)
	Chair: Giuseppe Massari, Politecnico di Milano
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11:00 - 11:30	Coffee Break
11:30 - 12:15	[Invited Talk] RUST-Encoded Stream Ciphers on a RISC-V Parallel Ultra-Low-Power Processor
	Francesco Barchi, Giacomo Pasini, Emanuele Parisi, Giuseppe Tagliavini, Andrea Bartolini, Andrea Acquaviva, Università di Bologna (UNIBO)
	Chair: Stefano Cherubin, Edinburgh Napier University
12:15 - 12:45	Session A - Power and Thermal Management
	Chair: Giuseppe Massari, Politecnico di Milano
12:15 – 12:30	
12:15 – 12:30	MonTM: Monitoring-based Thermal Management for Mixed-Criticality Systems
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14:45 - 15:30

Session B - HW/SW Design

Chair: Henri-Pierre Charles, CEA

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14:45 – 15:00	An evaluation of the state-of-the-art software and hardware implementations of BIKE
	Andrea Galimberti, Gabriele Montanaro, William Fornaciari and Davide Zoni (POLIMI)
15:00 - 15:15	Adjacent LSTM-based Page Scheduling for Hybrid DRAM/NVM Memory Systems
	Manolis Katsaragakis, Konstantinos Stavrakakis, Dimosthenis Masouros, Lazaros Papadopoulos and Dimitrios Soudris (NTUA)
15:30 - 16:00	Coffee Break
16:00 - 16:45	[Invited Talk] Challenges and Opportunities in C/C++ Source-to-Source Compilation
	João Bispo (University of Porto)
	Chair: Stefano Cherubin, Edinburgh Napier University

16:45 – 17:00 Closing and Final wrap-up

Chair: Stefano Cherubin, Edinburgh Napier University

Paper presentations

We invite authors of accepted papers to prepare presentations with slides. Each paper presentation is scheduled to last at most 15 minutes. Time slot includes:

- 10 min oral presentation
- 3 min Q&A
- 2 min technical setup & speaker introduction by Session chair.

Presenters should provide a short (no more than 3 lines) biography introduction to be handed to the Session chair at the beginning of the Session.