

Time **Thursday 31 Aug, 2023**

08:30 **Registration**

09:00 – 10:00 **Plenary Session Keynote 2**
[Enrique S. Quintana-Or](#)

10:00 – 10:30 **Coffee Break**

10:30 – 12:30 **Plenary Session**
Candidates for Best Paper Award

213 MMExit: Enabling Fast and Efficient Multi-modal DNN Inference with Adaptive Network Exits
[Xiaofeng Hou](#), Jiacheng Liu, Xuehan Tang, Chao Li, Kwang-Ting Cheng, Li Li and Minyi Guo

25 Optimizing Data Movement for GPU-Based In-Situ Workflow Using GPUDirect RDMA
Bo Zhang, Philip E Davis, Nicolas Morales, Zhao Zhang, Keita Teranishi and [Manish Parashar](#)

89 Distributed k-Means with Outliers in General Metrics
Enrico Dandolo, Andrea Pietracaprina and [Geppino Pucci](#)

173 An efficient parallel adaptive GMG solver for large-scale Stokes problems
[S. Saberi](#), G. Meschke and A. Vogel

12:30 – 14:00 **Lunch**

14:00 – 15:30 **Parallel Sessions**

T06: GPU based applications (2)

13 GPU Code Generation of Cardiac Electrophysiology Simulation with MLIR
Tiago Trevisan Jost, [Arun Thangamani](#), Raphaël Colin, Vincent Loechner, Stéphane Genaud and Bérenger Bramas

138 Parareal with a physics-informed neural network as coarse propagator
[Abdul Qadir Ibrahim](#), Sebastian Götschel and Daniel Ruprecht

T05: Graphs and Networks

37 Distributed Deep Multilevel Graph Partitioning
Peter Sanders and [Daniel Seemaier](#)

95 Accelerating Reduction Operation in AutoDock-GPU with Tensor Cores
Gabin Schieffer and Ivy Bo Peng

189 On size hiding protocols in Beeping Model
Dominik Bojko, Mateusz Marciniak, Marek Klonowski and Piotr Syga

190 Efficient Protective Jamming in 2D SINR Networks Dominik Bojko, Mateusz Marciniak, Marek Klonowski and Dariusz Kowalski

15:30 – 16:00

Coffee Break

16:00 – 17:30

Parallel Sessions

T02: Scheduling Algorithms

T05 : Parallel Processing and Scheduling

100 A Poisson-Based Approximation Algorithm for Stochastic Bin Packing of Bernoulli Items

Tomasz Kanas and Krzysztof Rządca

92 A Parallel Scan Algorithm in the Tensor Core Unit Model
Anastasios Zouzias and William McColl

141 Parametrized Analysis of a Dynamic Programming Algorithm for a Parallel Machine Scheduling Problem

İstenc Tarhan, Jacques Carlier, Claire Hanen, Antoine Jouglet and Alix Munier Kordon

178 Improved Algorithms for Monotone Moldable Job Scheduling using Compression and Convolution

Kilian Grage, Klaus Jansen and Felix Ohnesorge

72 Asymptotic Performance and Energy Consumption of SLACK
Anne Benoit, Louis-Claude Canon, Redouane Elghazi and Pierre-Cyrille Héam

56 TrainBF: High-Performance DNN Training Engine using BFloat16 on AI Accelerators

Zhen Xie, Siddhisanket Raskar, Murali Emani and Venkatram Vishwanath

17:30 – 18:00

18:00 – 18:30

18:30 – 19:00

19:00 – 19:30

19:30 – 20:00

20:00 – ...

Tour/Conference Dinner and Euro-Par 2023 Awards