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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12985
Disciplina	005.1
Soggetti	Software engineering Computer systems Computers, Special purpose Computer networks Microprogramming Logic design Software Engineering Computer System Implementation Special Purpose and Application-Based Systems Computer Communication Networks Control Structures and Microprogramming Logic Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Keynote -- Resampling with Feedback: A New Paradigm of Using Workload Data for Performance Evaluation -- Open Scheduling Problems and Proposals -- Collection of Job Scheduling Prediction Methods -- Modular Workload Format: extending SWF for modular systems -- Technical Papers -- Measurement and Modeling of Performance of HPC Applications towards Overcommitting Scheduling Systems -- Scheduling Microservice Containers on Large Core Machines through Placement and Coalescing -- Learning-based Approaches to

Estimate Job Wait Time in HTC Datacenters -- A HPC Co-Scheduler with Reinforcement Learning -- Performance-Cost Optimization of Moldable Scientific Workflows -- Temperature-Aware Energy-Optimal Scheduling of Moldable Streaming Tasks onto 2D-Mesh-Based Many-Core CPUs with DVFS -- Scheduling Challenges for Variable Capacity Resources -- GLUME: A Strategy for Reducing Workflow Execution Times on Batch-Scheduled Platforms.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 24th International Workshop on Job Scheduling Strategies for Parallel Processing, JSSPP 2021, held as a virtual event in May 2021 (due to the Covid-19 pandemic). The 10 revised full papers presented were carefully reviewed and selected from 17 submissions. In addition to this, one keynote paper was included in the workshop. The volume contains two sections: Open Scheduling Problems and Proposals and Technical Papers. The papers cover such topics as parallel computing, distributed systems, workload modeling, performance optimization, and others.