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Disciplina	004
Soggetti	Computers, Special purpose Computer systems Computer networks Software engineering Microprogramming Computer input-output equipment Special Purpose and Application-Based Systems Computer System Implementation Computer Communication Networks Software Engineering Control Structures and Microprogramming Input/Output and Data Communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	-- Distributed Computing. -- A Comprehensive, Scalable and Fast BOINC Simulator. -- Bi-Objective Workflow Scheduling in the Cloud: What is the Real State-of-the-Art?. -- Characterization of a Desktop Grid Project as a Queueing System. -- Desktop Grid Based Assessment of the Game-Theoretical Model of Regional Digitalization Support in Aquaculture. -- Efficient Resource Selection in Cloud Environments with Volume Discounts and Group Dependencies. -- Experiments with the A022008 Sequence Generator to Study Distributed Computing Based on State Synchronization Service. -- Fast and Flexible

Framework for Simulation of Distributed Systems. -- Probabilistic Models of the Behavior of the BOINC Infrastructure in Typical Situations. -- Simulation of Volunteer Computing in a Desktop Grid System. -- HPC Education. -- Applied Discrete Optimization in the Development of the Discipline "Computational Methods". -- New Approach to Studying the Concept of Information for IT-students.

Sommario/riassunto

The two-volume set LNCS 15406 and 15407 constitutes the refereed proceedings of the 10th Russian Supercomputing Days International Conference, RuSCDays 2024, held in Moscow, Russia, during September 2024. The 43 full papers presented in these two volumes were carefully reviewed and selected from 95 submissions. The papers are organized in the following topical sections: Part I: Supercomputer Simulation; HPC, BigData, AI: Algorithms, Technologies, Evaluation Part II: Distributed Computing; HPC Education.
