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Soggetti	Computer engineering Computer networks Computer vision Microprogramming Computer input-output equipment Operating systems (Computers) Database management Computer Engineering and Networks Computer Vision Control Structures and Microprogramming Input/Output and Data Communications Operating Systems Database Management System
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Nota di contenuto	Session I – File Systems, Storage and Communication -- A BeeGFS-based Caching File System for Data-intensive Parallel Computing -- Multiple HPC Environments-Aware Container Image Configuration Workflow for Large-Scale All-to-All Protein-Protein Docking Calculations -- DAOS: A Scale-out High Performance Storage Stack for Storage Class Memory -- Cloud Platform Optimization for HPC -- Session II – Applications and Scheduling -- swGBDT: Efficient Gradient

Boosted Decision Tree on Sunway Many-core Processor -- Numerical Simulations of Serrated Propellers to Reduce Noise -- High-performance Computing in Maritime and Offshore Applications -- Correcting Job Walltime in a Resource-Constrained Environment.

Sommario/riassunto

This open access book constitutes the refereed proceedings of the 6th Asian Supercomputing Conference, SCFA 2020, which was planned to be held in February 2020, but unfortunately, the physical conference was cancelled due to the COVID-19 pandemic. The 8 full papers presented in this book were carefully reviewed and selected from 22 submissions. They cover a range of topics including file systems, memory hierarchy, HPC cloud platform, container image configuration workflow, large-scale applications, and scheduling.
