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Soggetti	Software engineering Microprogramming Computer input-output equipment Computer systems Software Engineering Control Structures and Microprogramming Input/Output and Data Communications Computer System Implementation
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Note generali	Includes index.
Nota di contenuto	Applications and Implementations -- A Study in SHMEM: Parallel Graph Algorithm Acceleration with Distributed Symmetric Memory -- OpenFAM: A library for programming disaggregated memory -- OpenSHMEM over MPI as a Performance Contender: Thorough Analysis and Optimizations -- Tools and Benchmarks -- SKaMPI-OpenSHMEM: Measuring OpenSHMEM Communication Routines -- A Tools Information Interface for OpenSHMEM -- CircusTent: A Tool for Measuring the Performance of Atomic Memory Operations on Emerging Architectures -- SHMEM-ML: Leveraging OpenSHMEM and Apache Arrow for Scalable, Composable Machine Learning.-Applications and Implementations -- OpenSHMEM Active Message Extension for Task-

Based Programming -- UCX Programming Interface for Remote Function Injection and Invocation -- Can Deferring Small Messages Enhance the Performance of OpenSHMEM Applications? -- Remote Programmability Model for SmartNICs in HPC Workloads -- Dynamic Symmetric Heap Allocation in NVSHMEM.

Sommario/riassunto

This book constitutes the proceedings of the 8th OpenSHMEM Workshop, held in virtually in August 2021. The 11 full papers and 1 short paper presented in this book were carefully reviewed and selected for inclusion in this volume from 18 submissions. The papers are organized in the following topical sections: Applications and Implementations, Tools and Benchmarks, and Applications and Implementations.
