

1. Record Nr.	UNISA996466221103316
Titolo	OpenSHMEM and Related Technologies. Experiences, Implementations, and Technologies [[electronic resource]] : Second Workshop, OpenSHMEM 2015, Annapolis, MD, USA, August 4-6, 2015. Revised Selected Papers / / edited by Manjunath Gorentla Venkata, Pavel Shamis, Neena Imam, M. Graham Lopez
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Collana	Programming and Software Engineering ; ; 9397
Disciplina	005.275
Soggetti	Software engineering Computer communication systems Algorithms Computer programming Computer logic Programming languages (Electronic computers) Software Engineering Computer Communication Networks Algorithm Analysis and Problem Complexity Programming Techniques Logics and Meanings of Programs Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Extending the Strided Communication Interface in OpenSHMEM -- Exploring OpenSHMEM Model to Program GPU-based Extreme-Scale Systems -- Check-pointing approach for fault tolerance in OpenSHMEM -- Proposing OpenSHMEM Extensions Towards a Future for Hybrid Programming and Heterogeneous Computing -- A Case for Non-Blocking Collectives in OpenSHMEM: Design, Implementation, and Performance Evaluation -- An Evaluation of OpenSHMEM Interfaces for

Variable-length Collective Operations -- Dynamic Analysis to Support Program Development with the Textually Aligned Property for OpenSHMEM Collectives -- From MPI to OpenSHMEM: Porting LAMMPS Scalable Out-of-core OpenSHMEM Library for HPC Graph 500 in OpenSHMEM -- Accelerating k-NN Algorithm with Hybrid MPI and OpenSHMEM Parallelizing the Smith-Waterman Algorithm using OpenSHMEM and MPI-3 One-Sided Interfaces -- An Extension to OpenSHMEM Teams to Enable Topology-Aware Parallel Programming.

Sommario/riassunto

This book constitutes the proceedings of the Second OpenSHMEM Workshop, held in Annapolis, MD, USA, in August 2015. The 12 technical papers and one short position papers presented in this book were carefully reviewed and selected from 17 submissions. The topics of the workshop included extensions to the OpenSHMEM API, implementation of the API for current and emerging architectures, tools to debug and profile OpenSHMEM programs, experience porting applications to the OpenSHMEM programming model, and changes to the OpenSHMEM specification to address the needs of programming exascale systems.

2. Record Nr.

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Directory of Chinese studies in Japan

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Descrizione fisica

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Classificazione

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Soggetti

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