SC14: International Conference for High Performance Computing, Networking, Storage and Analysis

New Orleans, Louisiana, USA
16-21 November 2014

Pages 1-546

IEEE Catalog Number: CFP14SUP-POD
ISBN: 978-1-4799-5501-5

SC14: International Conference for High Performance Computing, Networking, Storage and Analysis

SC 2014

Table of Contents

ACM Gordon Bell Finalist II

Heterogeneity and Scaling in Applications

Memory and Microarchitecture

Performance Measurement

Accelerators

Best Practices in File Systems

Earth and Space Sciences

Compiler Analysis and Optimization

Networks

Parallel Algorithms

Big Data Analysis

High Performance Genomics

MPI

Cloud Computing I

Graph Algorithms

Hardware Vulnerability and Recovery

I/O and Dynamic Optimization

Quantum Simulations in Materials and Chemistry

Resilience

Machine Learning and Data Analytics

Numerical Kernels

Power and Energy Efficiency

Data Locality and Load Balancing

Optimized Checkpointing

Sparse Solvers

Cloud Computing II

Large-Scale Visualization

Memory System Energy Efficiency