Author Index

Abbasi, Zahra
  Effects of Phase Imbalance on Data Center Energy Management
  Multi tier energy buffering management for IDCs with heterogeneous energy storage devices

Agarwal, Prafful
  Data Theft protection by File Splitting and Multiple Encryption

Agrawal, Kunal
  Adding Data Parallelism to Streaming Pipelines for Throughput Optimization

Albuquerque, Paul
  A Branch-and-Bound algorithm using multiple GPU-based LP solvers

Aneja, Sandhya
  A Hybrid Parallelization Approach for High Resolution Operational Flood Forecasting

Anitha, Podishetty
  Bayesian Algorithm for E-mail Spam Messages 1P

Arafat, Md Humayun
  Accelerating Strassen-Winograd’s Matrix Multiplication Algorithm on GPUs

Araújo, Guido
  Cache-Based Cross-Iteration Coherence for Speculative Parallelization

Araújo, Guido
  Transaction Scheduling using Conflict Avoidance and Contention Intensity

Armejach, Adrià
  HARP: Adaptive Abort Recurrence Prediction for Hardware Transactional Memory

Arora, Harsh
  A Hybrid Approach For Data Prefetcher Design For Multilevel Caches: Initial Insight
  Dynamic Branch Prediction Modeller for RISC Architecture

Arumugam, Kamesh
  A Memory Efficient Algorithm for Adaptive Multidimensional Integration with Multiple GPUs

Ayguade, Eduard
  Loop Level Speculation in a Task Based Programming Model

Bader, David
  A New Parallel Algorithm for Connected Components in Dynamic Graphs

Badia, Rosa M.
  Loop Level Speculation in a Task Based Programming Model

Baixo, Andre
Cache-Based Cross-Iteration Coherence for Speculative Parallelization
Baldassin, Alexandro

Transaction Scheduling using Conflict Avoidance and ContentionIntensity
Banerjee, Ayan

Effects of Phase Imbalance on Data Center Energy Management
Multi tier energy buffering management for IDCs with heterogeneous energy storage devices
Banerjee, Dip

Work Efficient Parallel Algorithms for Large Graph Exploration
Banerjee, Subhasish

A Novel Trust Based Network Layer Attack Prevention Scheme in MANET
AODV Based Black-Hole Attack Mitigation Scheme in MANET
Barthou, Denis

MIL: A language to build program analysis tools through static binary instrumentation
Basu, Protonu

Compiler Generation and Autotuning of Communication-Avoiding Operators for Geometric Multigrid
Bawa, Seema

Survey on Data Integrity Checking Techniques for Cloud Environment
Beaumont, Olivier

Approximation Algorithms for Energy Minimization in Cloud Service Allocation under Reliability Constraints
Behera, Prasanta

Live Partition Mobility
Private Cloud to Deploy Platform as a Service
Belokar, Varsha

An Effective Selection Method for Classification Algorithms with Proper Parameter Values to Correctly Classify Record
Bhardwaj, Onkar

SymSig: A Low Latency interconnection topology for HPC clusters
Bhattasali, Tapalina

UbiqLifeCare: Secure and Smart Health Care for Assisted Living of Aged People
Bhuyan, Laxmi

A hybrid shared memory heterogeneous execution platform for PCIe-based GPGPUs
Brahme, Dhananjay

SymSig: A Low Latency interconnection topology for HPC clusters
Buhler, Jeremy

Adding Data Parallelism to Streaming Pipelines for Throughput Optimization
Buzato, Luiz

Transaction Scheduling using Conflict Avoidance and Contention Intensity
Canon, Louis-Claude

Scheduling Associative Reductions with Homogeneous Costs when Overlapping Communications and Computations
Chaki, Rituparna

UbiqLifeCare: Secure and Smart Health Care for Assisted Living of Aged People
Chakrabarti, Soumen
Web-scale Entity Annotation Using MapReduce

Chakravorty, Anirudh
Algorithms for the Relaxed Multiple-Organization Multiple-Machine Scheduling Problem

Chamberlain, Roger
Adding Data Parallelism to Streaming Pipelines for Throughput Optimization

Chandramouli, Varun
Web-scale Entity Annotation Using MapReduce

Charif-Rubial, Andres
MIL: A language to build program analysis tools through static binary instrumentation

Chaudhary, Nadeem
Analyzing the Performance Impact of Authorization Constraints and Optimizing the Authorization Methods for Workflows

Chaudhary, Vipin
SymSig: A Low Latency interconnection topology for HPC clusters

Chavan, Pragati
Wireless Sensor Network Security

Chavhan, Babasaheb
Android Mobile Banking Application using QR code and OTP

Chen, Yao
EcoHadoop: A Cost-Efficient Data and Task Co-Scheduler for MapReduce

Chhabra, Jitender
Measurement of Changeability Index for Object Oriented Classes and Packages by Mining Change History

Chopard, Bastien
A Branch-and-Bound algorithm using multiple GPU-based LP solvers

Cole, Murray
MaSiF: Machine Learning Guided Auto-tuning of Parallel Skeletons

Collins, Alexander
MaSiF: Machine Learning Guided Auto-tuning of Parallel Skeletons

Cristal, Adrian
HARP: Adaptive Abort Recurrence Prediction for Hardware Transactional Memory

Dagar, Lalit
Evaluation and Enhancement of Weather Application Performance on Blue Gene/Q

Deshmukh, Sudarshan
Root Cause Analysis of UNIX/LINUX File System

Deshpande, Aditya
Can GPUs Sort Strings Efficiently?

Di, Sheng
Minimization of Cloud Task Execution Length with Workload Prediction Errors

Duchon, Philippe
Approximation Algorithms for Energy Minimization in Cloud Service Allocation under Reliability Constraints
Ehsan, Moussa
EcoHadoop: A Cost-Efficient Data and Task Co-Scheduler for MapReduce

Elango, Venmugil
Accelerating Strassen-Winograd's Matrix Multiplication Algorithm on GPUs

Fensch, Christian
MaSiF: Machine Learning Guided Auto-tuning of Parallel Skeletons

Fu, Songling
iFlatLFS: Performance Optimization for Accessing Massive Small Files

Gabbana, Alessandro
Benchmarking MIC architectures with Monte Carlo simulations of spin glass systems

Gadhavi, Lata
Cloud Architecture for Automated & Reliable Service Provisioning of Engineering Educational Domain

Gajjar, Mrugesh
Performance Evaluation of Medical Imaging Algorithms on Intel MIC Platform

Gamell, Marc
Exploring Energy and Performance Behaviors of Data-Intensive Scientific Workflows on Systems with Deep Memory Hierarchies

Gao, Guang
A Dynamic Schema to increase performance in Many-core Architectures through Percolation operations

Garcia, Elkin
A Dynamic Schema to increase performance in Many-core Architectures through Percolation operations

Garg, Anshuj
GAGM: Genome Assembly on GPU using Mate pairs

Garg, Neenu
Survey on Data Integrity Checking Techniques for Cloud Environment

Gaur, Vinayak
Data Theft protection by File Splitting and Multiple Encryption

Gayatri, Rahulkumar
Loop Level Speculation in a Task Based Programming Model

George, Thomas
A Hybrid Parallelization Approach for High Resolution Operational Flood Forecasting
Evaluation and Enhancement of Weather Application Performance on Blue Gene/Q

Gill, Gurbinder
Evaluation and Enhancement of Weather Application Performance on Blue Gene/Q

Godunov, Alexander
A Memory Efficient Algorithm for Adaptive Multidimensional Integration with Multiple GPUs

Gokhale, Aniruddha
A Self-Tuning System based on Application Profiling and Performance Analysis for Optimizing Hadoop MapReduce Cluster Configuration
Gonzalez, Antonio
Speculative Dynamic Vectorization to Assist Static Vectorization in a HW/SW Co-designed Environment

Green, Oded
A New Parallel Algorithm for Connected Components in Dynamic Graphs

Gupta, Neelima
Algorithms for the Relaxed Multiple-Organization Multiple-Machine Scheduling Problem

Gupta, Sandeep
Effects of Phase Imbalance on Data Center Energy Management
Multi-tier energy buffering management for IDCs with heterogeneous energy storage devices

Gupta, Shashank
Web-scale Entity Annotation Using MapReduce

Gupta, Sushil
Effects of Phase Imbalance on Data Center Energy Management

Hall, Mary
Compiler Generation and Autotuning of Communication-Avoiding Operators for Geometric Multigrid

Hammond, Glenn
SCORPIO: A Scalable Two-Phase Parallel I/O Library With Application To A Large Scale Subsurface Simulator

Harris, Timothy
HARP: Adaptive Abort Recurrence Prediction for Hardware Transactional Memory

He, Ligang
Analyzing the Performance Impact of Authorization Constraints and Optimizing the Authorization Methods for Workflows
iFlatLFS: Performance Optimization for Accessing Massive Small Files

Houngkaew, Charuwat
X10-Based Distributed and Parallel Betweenness Centrality and Its Application to Social Analytics

Jain, Ashutosh
GAGM: Genome Assembly on GPU using Mate pairs

Jalby, William
MIL: A language to build program analysis tools through static binary instrumentation

Junaidi, Tippu
Cross Language Messenger

Kale, Laxmikant
Parallel Branch-and-Bound for Two-Stage Stochastic Integer Optimization

Kalkur, Viraj
Cross Language Messenger

Kamble, Umesh
Cross Language Messenger

Kang, Hui
EcoHadoop: A Cost-Efficient Data and Task Co-Scheduler for MapReduce
Kannan, Ramaseshan
  Efficient sparse matrix multiple-vector multiplication using a bitmapped format

Karlsson, Andréas
  Conflict-free data access for multi-bank memory architectures using padding

Kavindra, Haridas
  Cross Language Messenger

Khairnar, Priyanka
  Android Mobile Banking Application using QR code and OTP

Khan, Rishi
  A Dynamic Schema to increase performance in Many-core Architectures through Percolation operations

Khatawkar, Prasad
  Wireless Sensor Network Security

Khemka, Jyotsna
  Performance Evaluation of Medical Imaging Algorithms on Intel MIC Platform

Kohar, Abhinav
  Parallel K-Spanning Tree based on MapReduce

Koli, Kundlik
  Wireless Sensor Network Security

Korwar, Sai Kiran
  GPU-enabled Efficient Executions of Radiation Calculations in Climate Modeling

Kothapalli, Kishore
  Work Efficient Parallel Algorithms for Large Graph Exploration

Kulkarni, Gurudatt
  Wireless Sensor Network Security

Kulkarni, Purushottam
  Share-o-meter: An empirical analysis of KSM based memory sharing in virtualized systems

Kumar, Pankaj
  Algorithms for the Relaxed Multiple-Organization Multiple-Machine Scheduling Problem

Kumar, Rakesh
  Speculative Dynamic Vectorization to Assist Static Vectorization in a HW/SW Co-designed Environment

Kuppuswamy, Muralidharan
  Live Partition Mobility
  Private Cloud to Deploy Platform as a Service

Kv, Kalpana
  Cloud Asterix with vSAN(Virtual SAN)

Lai, Pai-Wei
  Accelerating Strassen-Winograd's Matrix Multiplication Algorithm on GPUs

Langer, Akhil
  Parallel Branch-and-Bound for Two-Stage Stochastic Integer Optimization

Lawaria, Neha
  Algorithms for the Relaxed Multiple-Organization Multiple-Machine Scheduling Problem
Leather, Hugh  
MaSiF: Machine Learning Guided Auto-tuning of Parallel Skeletons

Li, Peng  
Adding Data Parallelism to Streaming Pipelines for Throughput Optimization

Lima, Manoel  
Performance and Energy Consumption Analysis of a Seismic Application for Three different Architectures intended for Oil and Gas Industry

Lin, Avi  
Parallel Algorithms for flow simulations in fracture networks

Liu, Dake  
Conflict-free data access for multi-bank memory architectures using padding

Livingston, Kelly  
A Dynamic Schema to increase performance in Many-core Architectures through Percolation operations

Maharjan, Ramesh  
A Performance Analysis of Hadoop Clusters in Openstack Cloud and in Real System

Mahinthakumar, G. Kumar  
SCORPIO: A Scalable Two-Phase Parallel I/O Library With Application To A Large Scale Subsurface Simulator

Majumder, Koushik  
A Novel Trust Based Network Layer Attack Prevention Scheme in MANET AODV Based Black-Hole Attack Mitigation Scheme in MANET

Malladi, Rama  
Performance Evaluation of Medical Imaging Algorithms on Intel MIC Platform

Malony, Allen  
MIL: A language to build program analysis tools through static binary instrumentation

Maner, Tohid  
Android Mobile Banking Application using QR code and OTP

Martínez, Alejandro  
Speculative Dynamic Vectorization to Assist Static Vectorization in a HW/SW Co-designed Environment

Matsumae, Susumu  
The Super Warp Architecture with Random Address Shift

McColl, Robert  
A New Parallel Algorithm for Connected Components in Dynamic Graphs

Melo, Lucas  
Performance and Energy Consumption Analysis of a Seismic Application for Three different Architectures intended for Oil and Gas Industry

Menezes, Gilliano  
Performance and Energy Consumption Analysis of a Seismic Application for Three different Architectures intended for Oil and Gas Industry

Meyer, Xavier  
A Branch-and-Bound algorithm using multiple GPU-based LP solvers

Mills, Richard
SCORPIO: A Scalable Two-Phase Parallel I/O Library With Application To A Large Scale Subsurface Simulator

Mishra, Debadatta
Share-o-meter: An empirical analysis of KSM based memory sharing in virtualized systems

Misra, Rajiv
Parallel K-Spanning Tree based on MapReduce

Mittal, Rashmi
Evaluation and Enhancement of Weather Application Performance on Blue Gene/Q

Mohanamuraly, Pavanakumar
Revisiting the space-filling curves for storage, reordering and partitioning mesh based data in scientific computing

Murphy, Brian
Solving Tridiagonal Systems on a GPU

Murty, Anurag
Efficient Homology Computations on Multicore and Manycore Systems

Murugan, Krishnan
Hierarchical Stateful Auto-configuration Protocol for IPv6 based MANETs

N, Venkategowda
VLSI Implementation of Shared Memory Architectured Quad Core RISC Processor on Altera FPGA

Nagarajan, Kaushik
Revisiting the space-filling curves for storage, reordering and partitioning mesh based data in scientific computing

Nakano, Koji
The Super Warp Architecture with Random Address Shift

Nanjundiah, Ravi
GPU-enabled Efficient Executions of Radiation Calculations in Climate Modeling

Narayanan, P
Can GPUs Sort Strings Efficiently?

Natarajan, Vijay
Efficient Homology Computations on Multicore and Manycore Systems

Negi, Anurag
HARP: Adaptive Abort Recurrence Prediction for Hardware Transactional Memory

Nigam, Anshul
Virtual Classroom -Android Application for Accessing Server using Wi-Fi service

Oliker, Leonid
Compiler Generation and Autotuning of Communication-Avoiding Operators for Geometric Multigrid

Orozco, Daniel
A Dynamic Schema to increase performance in Many-core Architectures through Percolation operations

Palekar, Udatta
Parallel Branch-and-Bound for Two-Stage Stochastic Integer Optimization
Palwe, Rajanikant

Wireless Sensor Network Security
Parashar, Anshu
Measurement of Changeability Index for Object Oriented Classes and Packages by Mining Change History
Parashar, Manish
Exploring Energy and Performance Behaviors of Data-Intensive Scientific Workflows on Systems with Deep Memory Hierarchies
Patel, Vatsal
Operational Research Model to Find Optimum Resources to Establish IAAS Cloud
Patwardhan, Bipin
In-Car Telematics Information System
Paul, Kolin
GAGM: Genome Assembly on GPU using Mate pairs
Paul, Shubhadip
Lockless Circular Buffer over Shared Memory
Pereira, Marcio
Transaction Scheduling using Conflict Avoidance and Contention Intensity
Pivanti, Marcello
Benchmarking MIC architectures with Monte Carlo simulations of spin glass systems
Poole, Stephen
Exploring Energy and Performance Behaviors of Data-Intensive Scientific Workflows on Systems with Deep Memory Hierarchies
Pore, Madhurima
Multi tier energy buffering management for IDCs with heterogeneous energy storage devices
Porto, Joao
Cache-Based Cross-Iteration Coherence for Speculative Parallelization
Rachamalla, Shashank
Share-o-meter: An empirical analysis of KSM based memory sharing in virtualized systems
Ranjan, Desh
A Memory Efficient Algorithm for Adaptive Multidimensional Integration with Multiple GPUs
Rastogi, Rohit
A Modified Approach for Rabin Karp String Matching Algo
A New Way To "Image Security" Of "Facebook"
An Approach to Detect Cycle in a Directed Graph Using Linked List
UnSupervised Learning By Probability Based K-Mean Method With Betterment Over Normal K-Mean Method
Unsupervised Learning with Backtracking Based Approach for Mixed Type of Data Using K-mean Based Method
Rathod, Sunil
Root Cause Analysis of UNIX/LINUX File System
RENAUD-GOUD, Paul
*Approximation Algorithms for Energy Minimization in Cloud Service Allocation under Reliability Constraints*

Rodero, Ivan
*Exploring Energy and Performance Behaviors of Data-Intensive Scientific Workflows on Systems with Deep Memory Hierarchies*

Sabharwal, Yogish
*A Hybrid Parallelization Approach for High Resolution Operational Flood Forecasting Algorithms for the Relaxed Multiple-Organization Multiple-Machine Scheduling Problem Evaluation and Enhancement of Weather Application Performance on Blue Gene/Q*

Sadayappan, Ponnuswamy
*Accelerating Strassen-Winograd's Matrix Multiplication Algorithm on GPUs*

Saxena, Vaibhav
*Evaluation and Enhancement of Weather Application Performance on Blue Gene/Q*

Schifano, Sebastiano Fabio
*Benchmarking MIC architectures with Monte Carlo simulations of spin glass systems*

Shakya, Manoj
*A Performance Analysis of Hadoop Clusters in Openstack Cloud and in Real System*

Sharma, Shashank
*Work Efficient Parallel Algorithms for Large Graph Exploration*

Sharma, Varun
*Cloud Asterix with vSAN(Virtual SAN) Live Partition Mobility*

Sharma, Veeru
*Sparse Approximation Problem Using Genetic Algorithm*

Shelke, Rupali
*Wireless Sensor Network Security*

Shende, Sameer
*MIL: A language to build program analysis tools through static binary instrumentation*

Shetty, Dinesh
*Parallel Algorithms for flow simulations in fracture networks*

Shukla, Sambit
*A hybrid shared memory heterogeneous execution platform for PCIe-based GPGPUs*

Silva-Filho, Abel
*Performance and Energy Consumption Analysis of a Seismic Application for Three different Architectures intended for Oil and Gas Industry*

Singh, Davinder
*Cloud Asterix with vSAN(Virtual SAN) Live Partition Mobility*
Private Cloud to Deploy Platform as a Service
Singhal, Swati
*A Hybrid Parallelization Approach for High Resolution Operational Flood Forecasting*

Sion, Radu
*EcoHadoop: A Cost-Efficient Data and Task Co-Scheduler for MapReduce*

Sohl, Joar
*Conflict-free data access for multi-bank memory architectures using padding*

Sreepathi, Sarat
*SCORPIO: A Scalable Two-Phase Parallel I/O Library With Application To A Large Scale Subsurface Simulator*

Sripathi, Vamsi
*SCORPIO: A Scalable Two-Phase Parallel I/O Library With Application To A Large Scale Subsurface Simulator*

Stenstrom, Per
*HARP: Adaptive Abort Recurrence Prediction for Hardware Transactional Memory*

Su, Yu
*Accelerating Inclusion-based Pointer Analysis on Heterogeneous CPU-GPU Systems*

Suresh, Bhanu
*Live Partition Mobility
Private Cloud to Deploy Platform as a Service*

Suzumura, Toyotaro
*X10-Based Distributed and Parallel Betweenness Centrality and Its Application to Social Analytics*

Terzic, Balsa
*A Memory Efficient Algorithm for Adaptive Multidimensional Integration with Multiple GPUs*

Tr, Reshmi
*Hierarchical Stateful Auto-configuration Protocol for Ipv6 based MANETs*

Tripiccione, Raffaele
*Benchmarking MIC architectures with Monte Carlo simulations of spin glass systems*

Ueno, Koji
*Parallel Distributed Breadth First Search on GPU*

Unsal, Osman
*HARP: Adaptive Abort Recurrence Prediction for Hardware Transactional Memory*

V, Vinutha
*Performance Evaluation of Medical Imaging Algorithms on Intel MIC Platform*

Vadhiyar, Sathish
*Efficient Homology Computations on Multicore and Manycore Systems
GPU-enabled Efficient Executions of Radiation Calculations in Climate Modeling*

Valensi, Cédric
MIL: A language to build program analysis tools through static binary instrumentation

Van Straalen, Brian
Compiler Generation and Autotuning of Communication-Avoiding Operators for Geometric Multigrid

Vaswani, Sharan
Performance Evaluation of Medical Imaging Algorithms on Intel MIC Platform

Venetis, Ioannis
A Dynamic Schema to increase performance in Many-core Architectures through Percolation operations

Venkat, Anand
Compiler Generation and Autotuning of Communication-Avoiding Operators for Geometric Multigrid

Venkataraman, Ramprasad
Parallel Branch-and-Bound for Two-Stage Stochastic Integer Optimization

Verma, Basant
An Effective Selection Method for Classification Algorithms with Proper Parameter Values to Correctly Classify Record

Vhatte, Ashwini
Android Mobile Banking Application using QR code and OTP

Villa Real, Lucas
A Hybrid Parallelization Approach for High Resolution Operational Flood Forecasting

Vydyanathan, Nagavijayalakshmi
Performance Evaluation of Medical Imaging Algorithms on Intel MIC Platform

Wang, Cho-Li
Minimization of Cloud Task Execution Length with Workload Prediction Errors

Wang, Jian
Conflict-free data access for multi-bank memory architectures using padding

Williams, Samuel
Compiler Generation and Autotuning of Communication-Avoiding Operators for Geometric Multigrid

Wong, Jennifer
EcoHadoop: A Cost-Efficient Data and Task Co-Scheduler for MapReduce

Wu, Dili
A Self-Tuning System based on Application Profiling and Performance Analysis for Optimizing Hadoop MapReduce Cluster Configuration

Xue, Jingling
Accelerating Inclusion-based Pointer Analysis on Heterogeneous CPU-GPU Systems

Ye, Ding
Accelerating Inclusion-based Pointer Analysis on Heterogeneous CPU-GPU Systems

Zode, Pravin
High Speed Scalar Multiplication for Elliptic Curve Cryptosystem
Low Power Modular Multiplication Using Parallel Prefix Adder for Elliptic Curve Cryptography
Zubair, Mohammad

A Memory Efficient Algorithm for Adaptive Multidimensional Integration with Multiple GPUs