



हाइपीसी  
HiPC

## 15TH INTERNATIONAL CONFERENCE ON HIGH PERFORMANCE COMPUTING

December 17-20, 2008 | Bangalore, INDIA

<http://www.hipc.org>

### HiPC 2008 User/Industry Symposium Program Thursday, December 18, 2008

10:00 am - 12:00 noon

Session I

#### Emerging Storage Trends in Large Data Centers

Moderators: Siddhartha Nandi and Thirumale Niranjana, NetApp

Data Management Challenges in Next-Generation Storage Architectures

Thirumale Niranjana, NetApp

New Challenges in Managing Storage for Virtual Data Centers

Deepak Kenchamma-Hosekote, NetApp

Energy Efficiency Implications of Future Storage Technologies

Suparna Bhattacharya, IBM

Trends in Storage Interconnects

Michael Kagan, Mellanox

Each speaker will talk for 20 minutes each, followed by a 40 minute panel discussion, moderated by Siddhartha Nandi from NetApp.

10:00am - 12:00 noon

Session II

#### System Management Solutions: Need for the Convergence of HPC Management Systems with Standards-based Interfaces

Moderator Arun Bharadwaj, Dell India R&D

Panelists

Wilson Liaw, Regional Sales Manager – Asia Pacific Region Platform Computing Singapore Pte Ltd

R. Balasubramanian, Principal Solution Architect, HP India

Murali Sappa, Senior Systems Management Architects, IBM

S. Narayanan (Narayanan Subramaniam), Senior Technologist, Systems Management Software, Dell India R&D

Facilitator

Arun Bhardwaj, Sr. Manager (Product Marketing), Enterprise Solutions and Regional Alliances

Dell India R & D, Bangalore

3:00pm – 5:00pm

Session III

#### Parallel Application Development through MPI

Moderator Rajeev Thakur, Argonne National Laboratory

Climate System Modelling: Challenges in Load Balancing and Grid-Enabling A Multi-Component System

Ravi Nanjundiah, Indian Institute of Science

End-to-End Computing on Petascale Computers

Scott Klasky, Oak Ridge National Laboratory

Performance Characterization of WRF on a Parallel Clustered Environment

Sreeram Vedantham, Dell Inc.

Writing Efficient Parallel Programs for Next-Generation Supercomputers

Yogish Sabharwal, IBM

3:00 pm - 5:00 pm

Session IV

#### Web-scale Data Processing and Application Development

Moderators: Vivek Ratan, Yahoo and Apurv Gupta, Google

Architecting Web Scale Applications

Raghu Anantharangachar, HP



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Preventing spam in web sites with user generated content

Kiran Panesar, Google

The Hadoop Ecosystem

Devaraj Das, Yahoo

Pig: Making Hadoop Easy

Shravan M. Narayanamurthy, Yahoo

Some research initiatives with Hadoop

Dr G. Sudha Sadasivam, PSG college of Technology, Coimbatore

#### Panel

Kiran Panesar, Google,

Raghu Anantharangachar, HP,

Dr G. Sudha Sadasivam, PSG college of Technology, Coimbatore,

Vijay Sukthankar, IBM

Devaraj Das, Yahoo

Vivek Ratan, Yahoo

5:30 pm - 7:00 pm

#### Plenary Panel: "Classic HPC and Cloud Computing: Competition or Synergy? (Is the Future of HPC in the Clouds?)"

Moderator

Frank Baetke, HP

Introduction

Frank Baetke, HP

Launching the Indian Top Supercomputer Sites

Sathish Vadhiyar, SERC IIS

Large Scale HPC Centers: Design, Benefits and Challenges

Sunil Sherlekar, CRL/TATA

Current and Future HPC and Cloud Computing Requirements

John Hurley, Boeing

Short Updates Presented by Industrial Platinum Sponsors Reza Roohalamini, Dell

Srinivas Padmanabhuni, Infosys; Siddhartha Nandi, Netapp

#### Panel Discussion

Frank Baetke, HP (Chair)

Sunil Sherlekar, CRL/TATA

John Hurley, Boeing

Reza Roohalamini, Dell

Srinivas Padmanabhuni, Infosys

Siddhartha Nandi, Netapp

Swamy Punyamurtula, AMD

Akshay Kadam, Intel Research

HiPC User Symposium Co-Chairs

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