

The 6th International Workshop on System Management Techniques, Processes and Services (SMTPS)

Special Focus on Cloud Computing



Atlanta, GA April 19, 2010

<http://www.ece.rutgers.edu/~smtps>

To be held in conjunction with IPDPS 2010

ADVANCE PROGRAM

- 8:30 –8:45 **Welcoming Remarks**
- 8:45 –9:45 **Keynote Address**
Managing Large-scale Utility Cloud
Karsten Schwan (Georgia Tech)
- 9:45 –10:00 **break**
- Session 1: Distributed Systems (10:00 – 12:00)**
- 10:00 – 10:30 **ROME: Road Monitoring and Alert System through Geocache**
Bin Zan, Tingting Sun, Marco Gruteser, Yanyong Zhang (Winlab, Rutgers University)
- 10:30 – 11:00 **Streaming, Low-latency Communication in On-line Trading Systems**
Hari Subramoni, Fabrizio Petrini, Virat Agarwal (IBM T. J. Watson), Davide Pasetto (IBM, Ireland)
- 11:00 –11:30 **Autonomic Management of Distributed Systems using Online Clustering**
Andres Quiroz, Manish Parashar, Ivan Rodero (Rutgers University)
- 11:30 – 12:00 **Business-Driven Planning of a Hybrid IT Infrastructure for E-Services**
Raquel Lopes; Francisco Brasileiro; Paulo Maciel Jr. (Universidade Federal de Campina Grande)
- noon – 2:00 **lunch**
- Session 2: Cloud Optimization(2:00-3:30)**
- 2:00 –2:30 **Desktop Workload Study with Implications for Desktop Cloud Resource Optimization**
Andrzej Kochut, Kirk Beatty, Hidayatullah Shaikh, Dennis Shea (IBM T. J. Watson)
- 2:30 –3:00 **Simplifying solution deployment on a Cloud through composite appliances**
Ajay Mohindra; Trieu C. Chieu; Alexei Karve; Alla Segal (IBM)
- 3:00 –3:30 **Combining Virtualization, Resource Characterization, and Resource Management to Enable Efficient High Performance Compute Platforms Through Intelligent Dynamic Resource Allocation**
Jim Brandt; Frank Chen; Vincent De Sapio; Ann Gentile; Jackson Mayo; Philippe Pebay; Diana Roe; David Thompson; Matthew Wong (Sandia National Lab)
- 3:30 –4:00 **break**
- Session 3: Performance and Scalability (4:00 –5:30)**
- 4:00 – 4:30 **Scalability Analysis of Embarassingly Parallel Applications on Large Clusters**
Fabrício A. B. Silva (Universidade de Lisboa)
- 4:30 –5:00 **Automation and Management of Scientific Workflows in Distributed Network Environments**
Qishi Wu (Univ. of Memphis); Mengxia Zhu (Southern Illinois Univ.); Xukang Lu (Univ. of Memphis); Patrick Brown (Southern Illinois Univ.); Yunyue Lin (Univ. of Memphis); Yi Gu (Univ. of Memphis); Fei Cao (Southern Illinois Univ.); Michael Reuter (Oak Ridge National Lab.)
- 5:00 –5:30 **Characterizing the Performance of Parallel NFS Implementations**
Weikuan Yu (Auburn University); Jeffrey S. Vetter (Oak Ridge National Lab.)
- 5:30–5:45 **Closing Remarks**