

The 5th International Workshop on System Management Techniques, Processes and Services (SMTPS)

Special Focus on Cloud Computing



Rome, Italy May 25, 2009

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

To be held in conjunction with [IPDPS 2009](#)

ADVANCE PROGRAM

- 8:30 –8:45 **Welcoming Remarks**
- 8:45 –9:45 **Keynote Address**

Chasing Idle Cycles
Grzegorz Czajkowski (Google)
- 9:45 –10:00 **break**
- Session 1: Cloud Management (10:00 – 12:00)**
- 10:00 – 10:30 ***Resource Monitoring and Management with OVIS to Enable HPC in Cloud Computing Environments (Best Paper)***
Jim Brandt; Ann Gentile ; Jackson Mayo; Philippe Pebay ; Diana Roe; David Thompson ;
Matthew Wong (Sandia National Laboratories, US)
- 10:30 – 11:00 ***Blue Eyes: Scalable and Reliable System Management for Cloud Computing***
Sukhyun Song (University of Maryland, College Park, US); Kyung Ryu (IBM T.J. Watson Research Center, US);
Dilma Da Silva (IBM T.J. Watson Research Center, US)
- 11:00 –11:30 ***Distributed Management of Virtual Cluster Infrastructures***
Michael Murphy; Michael Fenn; Linton Abraham; Joshua Canter; Benjamin Sterrett;
Sebastien Goasguen (Clemson University, US)
- 11:30 – 12:00 ***Desktop to Cloud Transformation Planning***
Kirk Beaty (IBM Watson Research Center, US); Andrzej Kochut (IBM TJ Watson Research, US);
Hidayatullah Shaikh (IBM Research, US)
- noon –14:00 **lunch**
- Session 2: Resource Scheduling (14:00-15:30)**
- 14:00 –14:30 ***A Global Scheduling Framework for Virtualization Environments (best student paper)***
Yoav Etsion (The Hebrew University, IL); Tal Ben-Nun (The Hebrew University, IL);
Dror G. Feitelson (The Hebrew University, IL)
- 14:30 –15:00 ***Symmetric Mapping: an architectural pattern for resource supply in Grids and Clouds***
Xavier Grehant (CERN, CH); Isabelle Demeure (ENST, FR)
- 15:00 –15:30 ***Performability Evaluation EFT Systems for SLA***
Erica Sousa ; Paulo Maciel ; Carlos Araujo; Fabio Chicout (Federal University of Pernambuco, BR)
- 15:30 –16:00 **break**
- Session 3: Cloud Optimization (16:00 –17:30)**
- 16:00 –16:30 ***Low Power Mode in Cloud Storage Systems***
Danny Harnik (IBM Haifa Research Labs, IL); Dalit Naor (IBM Haifa Research Lab, IL);
Itai Segall (IBM Haifa Research Labs, IL)
- 16:30 –17:00 ***Predicting Cache Needs and Cache Sensitivity for Applications in Cloud Computing on CMP Servers with Configurable Caches***
Jacob Machina (University of Windsor, CA); Angela Sodan (University of Windsor, CA)
- 17:00 –17:30 ***Application Level I/O Caching on Blue Gene/P Systems***
Seetharami Seelam (IBM Research, US); Ihsin Chung (IBM T.J Watson Research Center, US);
John Bauer (IBM, US); Hao Yu (IBM research, US); Huifang Wen (IBM Research, US)
- 17:30–17:45 **Award Ceremony and Closing Remarks**