



**Association for
Computing Machinery**

Advancing Computing as a Science & Profession

Welcome to HPCVirt 2010

**4th Workshop on System-level Virtualization for
High Performance Computing (HPCVirt 2010)**

held in conjunction with EuroSys 2010

April 13, Paris, France

General Chair: Dr. Stephen L. Scott, Oak Ridge National Laboratory

Program Chair: Dr. Geoffroy Vallee, Oak Ridge National Laboratory

HPCVirt 2010 – Paris, France



Overview of the Day

- 4 scientific papers
- Breaks in synchronization with EuroSys
- Welcome reception from 6pm to 8pm (EuroSys 2010)

HPCVirt 2010 – Schedule

11:00am - 11:15am	Stephen L. Scott and Geoffroy Vallee	Introduction
11:15am - 12:00pm	Andy Georges and Lieven Eeckhout	Performance Metrics for Consolidated Servers
12:00pm - 01:30am	Lunch Break	
01:30pm - 02:15pm	Benjamin Eckart, Ferrol Aderholdt, Juho Yoo, Xubin He and Stephen Scott	A Top-Down Approach to Dynamically Tune I/O for HPC Virtualization
02:15pm - 03:00pm	Supada Laosooksathit, Nichamon Naksinehaboon, Chokchai Leangsuksan, Apurba Dhungana, Clayton Chandler, Kasidit Chanchio and Amir Farbin	Lightweight Checkpoint Mechanism and Modeling in GPGPU Environment
03:00pm - 03:30pm	Break	
03:30pm - 04:15pm	Ronald Minnich and Don Rudish	Ten Million and One Penguins, or, Lessons Learned from booting millions of virtual machines on HPC systems
04:15pm - 05:00pm	Panel	

HPCVirt 2010 – Panel

- **Goal: generate open discussions**
- **No predefined subject**
- **Anyone can prepare one slide and present it in 5 minutes**

Questions?

Resources

- <http://www.csm.ornl.gov/srt/conferences/hpcvirt2010/>
- Stephen L. Scott <scottsl@ornl.gov>
- Geoffroy Vallee <valleegr@ornl.gov>