

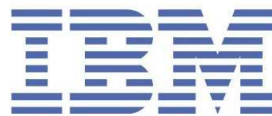


# VHPC '10

2010-08-31

5th Workshop on Virtualization and High-Performance Cloud Computing  
Euro-Par 2010, Island of Ischia, Naples, Italy

sponsored by



Guest Speaker: Chris Kemp  
CIO NASA Ames Research Center and Lead Nebula Cloud Platform

## Workshop Program

- 09:30 - 10:00 *The Effect of Multi-core on HPC Applications in Virtualized Systems.*  
Jaeung Han, Jeongseob Ahn, Changdae Kim, Youngjin Kwon, Young-ri Choi and Jaehyuk Huh (Korea Advanced Institute of Science and Technology, Korea)
- 10:00 - 10:30 *Proposal of Virtual Network Configuration Acquisition Function for Data Center Operations and Management System.*  
Hideki Okita (Hitachi Ltd., Japan)
- 10:30 - 11:00 *Building an Operator CDN the virtual way.*  
Hareesh Puthalath (Ericsson, Sweden)

- 11:00 - 11:30 Morning Coffee Break
- 11:30 - 12:00 *Security and Performance Trade-off in PerfCloud.*  
Massimiliano Rak (Second University of Naples, Italy) ;  
Umberto Villano; Valentina Casola; Antonio Cuomo  
(University of Sannio, Italy)
- 12:00 - 12:30 *A Distributed and Collaborative Dynamic Load Balancer for  
Virtual Machine.*  
Jonathan Rouzaud-Cornabas (ENSI de Bourges -  
Laboratoire d'Informatique Fondamentale d'Orléans,  
France)
- 12:30 - 13:00 *Towards GPGPU assisted computing in virtualized  
environments.*  
Thilo Schmitt; Alexander Weggerle; Christian Himpel;  
Peter Schulthess (Universität Ulm, Germany)
- 13:00 - 15:30 Lunch
- 15:30 - 16:00 *Providing Performance Guarantees to Virtual Machines using  
Real-Time Scheduling.*  
Tommaso Cucinotta; Dhaval Giani; Dario Faggioli; Fabio  
Checconi (Scuola Superiore Sant'Anna, Italy)
- 16:00 - 16:30 *Exploring I/O Virtualization Data-paths for MPI Applications  
in a Cluster of VMs: A Networking Perspective.*  
Anastassios Nanos; Georgios Goumas; Nectarios Koziris  
(School of Electrical and Computer Engineering National  
Technical University of Athens, Greece)
- 16:30 - 17:20 *Guest Speaker: NASA Nebula: A Cloud Computing Platform  
for Government.*  
Chris Kemp, CIO Ames Research Center and Lead Nebula  
Cloud Platform (NASA, USA)
- 17:20 - 17:30 Coffee Break
- 17:30 - 18:00 *A Survey Analysis of Memory Elasticity Techniques.*  
Artur Baruchi, Edson Midorikawa (University of Sao  
Paulo, Brazil, Brasil)
- 18:00 - 18:30 *Vistas: towards Behavioural Cloud Control.*  
Alan Wood (University of York, United Kingdom)
- 18:30 - 19:00 Panel Discussion