

**IEEE/IFIP International Workshop on End-to-end Virtualization and Grid Management**  
**EVGM'07**  
**October 29-30, 2007**  
**Silicon Valley, California, USA**  
**Part of Manweek 2007: <http://www.manweek.org>**

Virtualization allows layer n (upper layer) to function independently and effectively without being intrinsically tied to layer n-1 (lower layer). In OS virtualization, guest operating systems are isolated from physical computational resources. In server virtualization, application servers are isolated from physical server resources. In network virtualization, network services or applications are isolated from physical network resources. One of the major features of Grids is the sharing of heterogeneous resources, which can be facilitated by various levels of virtualization. In other words, Grids should provide holistic or end-to-end virtualization. It is obvious that proper resource management is key to providing effective virtualization. However, resource management for virtualization is a challenge (as opposed to typical resource management) in that there is no trivial way of virtualizing resources and presenting virtualized resources to the upper layers. It is even a bigger challenge when end-to-end (E2E) virtualization is considered, for example, when OS and server virtualization interplay with storage and network virtualization for providing an effective E2E virtualized environment.

This workshop will offer a unique opportunity for researchers and practitioners to exchange ideas and experiences on problems, challenges, solutions and potential future research, as well as development issues, in this new field of E2E Virtualization and Grid Management. In addition to paper presentations, the workshop provides an intimate setting for discussion and debate through panels and group work.

The authors are encouraged to submit original papers on topics related to the concepts described above, including, but not limited to:

- OS resource management for virtualization (OS Virtualization)
- Server resource management for virtualization (Server Virtualization)
- Application resource management for virtualization (Application Virtualization)
- Storage resource management for virtualization (Storage Virtualization)
- Network resource management for virtualization (Network Virtualization)
- Network Management resource management for virtualization (NM Virtualization)
- Heterogeneous Grid VO resource management for virtualization (Grid Virtualization)
- Interplay of various virtualization layers
- Virtual resource scheduling
- Virtual resource discovery
- Virtual resource monitoring
- Virtualization in clusters and high-performance computing environments
- Virtualization for ERP, CRM, Healthcare, Financial applications

### **Workshop Co-chairs**

**Silvia Figueira**, Santa Clara University, USA

**Masum Z. Hasan**, Cisco, USA

### **Important Dates**

Submission deadline: **May 13, 2007**

Notification of acceptance: **July 6, 2007**

Camera-ready: **August 2, 2007**

### **Paper Submission**

Authors are requested to submit either long or short papers, strictly in LNCS format:

- Long papers (up to 10 single-spaced single-column pages)
- Short papers describing work-in-progress (up to 4 pages)

Submissions exceeding the above mentioned page limits will not be reviewed. Papers must be submitted electronically through the JEMS conference management system at <https://jems.sbc.org.br/evgm2007> (only PDF files are permitted).