Call for Paper

The 2nd International Workshop on Autonomic Management of high performance Grid and Cloud Computing – AMGCC'14

Co-located with the Cloud and Autonomic Computing Conference 2014 (CAC 2014), Imperial College, London, UK -- September 12, 2014

AMGCC'14 workshop (http://htcaas.kisti.re.kr/wiki/index.php/AMGCC14) will be held in London on September 12, 2014, in conjunction with the International Conference on Cloud and Autonomic Computing (CAC 2014) (http://www.autonomic-conference.org/).

Grid computing leverages enormous computing resources scattered over the internet in order to integrate and form a large-scale computing platform to solve grand-scale problems. Grid computing also has had great influence on the cloud computing besides the virtualization technology which logically decouples the physical computing resources with the computing system. Consequently, the cloud computing provides cost-effective, fast, and unlimited virtualized resources for large-scale applications. Cloud computing is also used as "utility computing" where the computing services are provided on-demand and as needs based. Thus, it is commonly deployed for various applications these days.

Managing hybrid, virtualized computing resources in a large-scale cloud computing environments, however, still leaves a lot of research to be conducted. Furthermore, autonomous managements of resources in such a large scale federated hybrid computing infrastructures are crucial. In this workshop, we would like to bring researcher around the world to discuss and communicate the challenges and research results in the design, implementation, and evaluation of novel autonomous hybrid cloud resource management systems, and the theory and practice of cloud and grid resource management.

Topics of Interests

Topics include, but are not limited to:
+ Autonomic Workflow and Resource Management in Cloud and Grid
+ Autonomous and Adaptive Management of Virtualized Resources
+ High Performance Grid and Cloud
+ Security, Privacy, and Compliance Management for Hybrid Utility Computing
+ Performance and Usage Monitoring in Hybrid Infrastructures
+ Autonomic Resource Discovery and Scheduling in Cloud and Grid
+ Service-based Autonomic Management in Cloud and Grid
+ Hybrid Cloud Resource Provisioning Orchestration

+ Adaptive Resource Provisioning and Adjustment in Grid and Cloud
+ Autonomics in High Performance Cloud Computing
+ Cloud/Grid Workload Profiling and Autonomic Deployment Control
+ Fault tolerance and Reliability in Hybrid Utility Computing
+ Federation, Bridging, and Bursting of Grid and Cloud Resources

Important Dates

- Paper submission: **April 20, 2014**
- Notification of acceptance: May 15, 2014
- Camera-ready paper: May 25, 2014
- Workshop: September 12, 2014

Paper Submission Guideline

Submitted papers must include original work and may not be under consideration for another workshop, conference, or journal. Accepted papers must be presented at the workshop. Papers are limited to 8 pages in standard IEEE proceedings format. The 8-page PDF format of the paper must be submitted online at the paper submission site before the deadline (April 20th, 2014).

Extended Paper for Journal Version
Selected papers presented at the AMGCC'14 workshop will be invited to a special issue in the Springer Cluster Computing Journal, indexed by the SCIE, JCR, and SCOPUS rank (http://link.springer.com/journal/10586). In AMGCC'13, ~70% of the presented papers were invited to publish in the journal.

Workshop Co-Chairs

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