Program

5th Cloud Control Workshop
Mölle, Sweden
August 20 – 22, 2014
Wednesday August 20

10.30 – 12.00 Session 1: Workshop opening

Chair: Erik Elmroth

Presentation of
- Workshop background and objectives
- Program
- Practicalities

Round-table presentation of participants

Short discussion warm-up:
What are the key research challenges in the area of Cloud Control?

12.00 – 13.00 Lunch

13.00 – 15.15 Session 2

Chair:

Linking HPC, Cloud and Data-analytics Workload in a Federated Infrastructure (30)
Ramin Yahyapour, Georg-August University of Göttingen, Germany

BwMan: Bandwidth Manager for Elastic Services in the Cloud (30)
Vladimir Vlassov, Royal Institute of Technology, Stockholm, Sweden

Experimental Performance Evaluation of Cloud Autoscaling Systems (15)
Ahmed Ali-ElDin, Umeå University, Sweden

Discussions (60 min) in parallel sessions:
- Discussion topics to be announced

15.15 – 15.45 Coffee

15.45 – 17.30 Session 3

Chair:

TBD (30)
Alexandru Iosup, TU Delft, Netherlands

On the Convergence of Scheduling for Cloud Datacenters and Academic Compute Resources (15)
Gonzalo Rodrigo, Umeå University, Sweden

Discussions (60 min) in parallel sessions:
- Discussion topics to be announced
Thursday August 21

8.00 – 9.30 Session 4
Chair:

*Scalable Monitoring as a Foundation for Scalable Clouds* (30)
Ivona Brandic, Vienna University of Technology, Austria

*TBD* (20)
Jonathan Rouzaud-Cornabas, INRIA, Lyon, France

*Energy Efficient Software Design* (20)
Django Armstrong, University of Leeds, UK

Contextual Communication (20)
Johan Kristiansson, Ericsson Research, Luleå, Sweden

9.30 – 10.00 Coffee

10.30 – 12.30 Session 5
Chair:

*Constrained programming for mapping and allocation problems* (30)
Krzysztof Kuchcinski, Lund University, Sweden

*Scenario Theory* (15)
Alessandro Papadopoulos, Lund University, Sweden

Discussions (75 min) in parallel sessions:
- Discussion topics to be announced

12.30 – 13.30 Lunch

13.30 – until dinner
Social activities (to be presented)
Friday August 22

8.00 – 9.30 Session 6
Chair:

Mobility Management in Mobile Cloud Computing Systems (30)
Christer Åhlund, Luleå University of Technology, Sweden

Simulating the Omnipresent Cloud (15)
William Tärneberg, Lund University, Sweden

Discussions (45 min) in parallel sessions:
- Discussion topics to be announced

9.30 – 10.00 Coffee

10.00 – 12.00 Session 7
Chair:

Gossip-based Reconsolidation in Cloud Data Centers (15)
Mina Sedaghat, Umeå University, Sweden

Performance-Based Service Differentiation in Clouds (15)
Ewnetu Bayuh Lakew, Umeå University, Sweden

Early Detection of Workload Spikes (15)
Amardeep Mehta, Umeå University, Sweden

Discussions (75 min) in parallel sessions:
- Discussion topics to be announced

12.00 – 13.00 Lunch

13.00 – 14.30 Session 8: Workshop closing
Chair: Erik Elmroth
Summary and opportunity for decisions regarding any follow-up activities. Short information and discussion about upcoming workshop.