Program
12th Cloud Control Workshop

Lövånger, Sweden
March 19 – 21, 2018

Monday March 19	
9.50	Arrival at Lövånger kyrkstad
10.00	**Coffee**
10.30	Workshop introduction *Erik Elmroth, Umeå University* Performance benchmarking in infrastructure-as-a-service-clouds *Joel Scheuner, Chalmers University of Technology*
12.00	**Lunch**
	Session Chair: Karl-Erik Årzén
13.00	Cyber Extortion : The evolving DDoS landscape *Monowar Bhuyan, Umeå University*
13.30	**Discussion 1:** We believe in autonomous management being the future, but what is the current state of practice in cloud management? *Johan Eker, Ericsson Research*
15.00	**Coffee**
15.30	Event-based estimation within cloud systems *Johan Ruuskanen, Lund University* Event-based sensing for load balancers *Marcus Thelander Andrén, Lund University*
16.30	Team building activities
19.00	**Dinner**

Comments to the program:

- All presentation slots are allocated 30 minutes. We leave up to the presenter to decide how to use that time, e.g, if it should be a 25 minutes presentation with 5 minutes for switching or if it should be a shorter presentation with more time for questions and feedback. Make use of the time in the way you find most beneficial!

- The schedule is deliberately done with a single track to leave room for additional planned or spontaneous sessions to be organized in parallel, i.e., for work in on-going projects or to initiate new collaborations.

Tuesday March 20	
Session Chair: Maria Kihl	
8.30	Control of server systems with switching costs *Anton Cervin, Lund University*
9.00	Anomaly detection in future RAN (Radio Access Network) *Tobias Sundqvist, Umeå University*
9.30	Why cloud applications are not ready for the edge (yet) *Chanh Nguyen, Umeå University*
10.00	**Coffee**
Session Chair: Petter Svärd	
10.30	Placement of flow-based applications in heterogeneous environments *Amardeep Mehta, Umeå University*
11.00	**Discussion 2:** Accurate edge cloud simulation for real-world applications *Lars Larsson, Umeå University*
12.00	**Lunch**
Session Chair: P-O Östberg	
13.00	An extensible architecture for job schedule and control *Abel Souza, Umeå University* Application performance aware server power capping *Jakub Krzywda, Umeå University*
14.00	**Discussion *3*:** Incident management in emerging distributed cloud paradigms *Monowar Bhuyan and Olumuyiwa Ibidunmoye, Umeå University*
15.00	**Coffee**
15.30	**Discussion 4*:*** The future grand challenges in computer systems research – addressing Infrastructure for IoT *Erik Elmroth, Umeå University*
16.30	Team building activities
19.00	**Dinner**

Wednesday March 21	
Session Chair: Thang Le Duc	
8.00	Coping with high dimensionality in datacenter performance traces *Olumuyiwa Ibidunmoye, Umeå University* Privacy-preserving processing in edge clouds, vision and research topic *Lars Larsson, Umeå University* *Load balancing strategies for servers with response time control* *Tommi Nylander, Lund University*
10.00	**Coffee**
Session Chair: Johan Tordsson	
10.30	An *actual* edge cloud – code not powerpoint *William Tärneberg, Umeå University* **Discussion 5:** Teaching cloud - Where are we now? *P-O Östberg, Umeå University*
12.00	**Lunch**
Session Chair: Erik Elmroth	
13.00	**Discussion 6***:* Time to revisit topics addressed
14.00	*Concluding remarks* *Erik Elmroth, Umeå University*
14.15	**Coffee**
14.30	Departure