



EcoCloud Annual Event Program

June 12th & 13th, 2017 – Royal Savoy Lausanne

Day 1: Monday June 12th, 2017

Time		Presenter
17:00-17:30	Welcome / Badge Pickup	
17:30-18:30	Memory-Driven Computing (Memory Wants to Be Free)	Paolo Faraboschi, HPE
18:30-20:00	Cocktail & Poster Session	

Day 2: Tuesday June 13th, 2017

Time		Presenter
08:00-08:30	Welcome / Badge Pickup	
08:30-09:00	EcoCloud Overview	Babak Falsafi
Session I: Data & Datacenter Efficiency (Chair: Ed Bugnion)		
09:00-09:30	Declarative Query Processing in Imperative Managed Runtimes	Stratis Viglas, Google
09:30-09:50	Job-aware Scheduling in Eagle	Pamela Delgado
09:50-10:10	On-chip Two-phase Cooling	Chiara Falsetti
10:10-10:35	Thermal-Aware Design and Management of Many-Core Servers	David Atienza
10:35-11:05	BREAK	
Session II: Robust Systems (Chair: George Candea)		
11:05-11:35	Near-Memory Acceleration	Jan Van Lunteren, IBM
11:35-12:00	Memory-Centric Server Architecture	Babak Falsafi
12:00-12:20	Concurrent Data Structures for NVRAM	Tudor David
12:20-12:40	Network Virtualization at the Top-of-Rack Switch	Jonas Fietz
12:40-14:10	LUNCH	
Session III: Data Analytics (Chair: Karl Aberer)		
14:10-14:40	AMPNet: Distributed Training for Flexible Neural Network Models	Ryota Tomioka, Microsoft
14:40-15:05	Distributed Machine Learning and Text Analysis	Martin Jaggi
15:05-15:25	On-the-fly Spatial Aggregation using GPU Rasterization	Eleni Tzirita Zacharitou
15:25-15:55	BREAK	
15:55-16:15	Coltrain: Co-located Deep Learning Training and Inference	Mario Drummond
16:15-16:45	Scaling Neural Network Performance on Reconfigurable Logic	Michaela Blott, Xilinx
16:45-17:00	CLOSING	