

MASCOTS Workshop 2020 – Final Program

November 19, 2020

10.00 Traffic and Network Performance (1h)

Session Chair: *Gabriele Kotsis, Johannes Kepler University, Linz (Austria)*

Software Defined Network Dynamics via Diffusions Tadeusz Czachorski, Erol Gelenbe and Dariusz Marek

Network Traffic Classification Using WiFi Sensing Junye Li, Deepak Mishra and Aruna Seneviratne

Performance Evaluation of the Packet Aggregation Mechanism of an N-GREEN Metro Network Node Tulin Atmaca, Amira Kamli, Godlove Suila Kuaban and Tadeusz Czachorski

A Random Neural Network for Attack Detection Kasia Filus, Joanna Domanska and Erol Gelenbe

11.00 Coffee Break

11.30 Computer System Performance Optimization (45 min)

Session Chair: *Giulano Casale, Imperial College London (UK)*

Non-Neutrality With Users Deciding Differentiation: A Satisfying Option? Anne Kieffer, Patrick Maillé and Bruno Tuffin

Measuring Performance of Fault Management in a Legacy System: An Alarm System Study Juri Tomak and Sergei Gorlatch

SHAMan: a flexible framework for auto-tuning HPC systems Sophie Robert, Soraya Zertal, Philippe Couve

12:15 Lunch break

13.30 Network and System Optimization I

Session Chair: *Josu Doncel, University of the Basque Country (Spain)*

QUIC Throughput and Fairness over Dual Connectivity David Hasselquist, Christoffer Lindström, Nikita Korzhitskii, Niklas Carlsson and Andrei Gurtov

Hypothesis-based Comparison of IPv6 and IPv4 Path Distances David Hasselquist, Christian Wahl, Otto Bergdal and Niklas Carlsson

LPWAN Gateway Location Selection Using Modified K-Dominating Set Algorithm Krzysztof Grochla, Adam Glos, Zbigniew Łaskarzewski, Jarosław Miszczak, Konrad Połys, Anna Strzoda, Artur Frankiewicz and Przemysław Sadowski

Toolset for Run-time Dataset Collection of Deep-scene Information Gustav Aaro, Daniel Roos and Niklas Carlsson

14:30 Coffee break

15.00 *Network and System Optimization II*

Session Chair: *Ivona Brandic, Technical University of Vienna (Austria)*

Measurement and Modeling of Tumblr Traffic Rachel Mclean, Mehdi Karamollahi and Carey Williamson

Tail Latency in Datacenter Networks Asaad Althoubi, Reem Alshahrani and Hassan Peyravi

Balanced Gray Codes for Reduction of Bit-Flips in Phase Change Memories Arockia David Roy Kulandai, Stella J, John Rose and Thomas Schwarz

15:45 Closing