

Wednesday June 1st

09:30 - Registration and coffee

10:00 - Welcome

10:15 - 11:00 - Session 1: IoT and Sensor Networks

Chair:

A Low-Cost Sensor Network for Urban Air Quality Monitoring

Pushpam Aji John and Rudolf Agren (Uppsala University, Sweden); Edith C.-H. Ngai (Uppsala University & Division of Computer Systems, Sweden); Kristiina Ausmees (Uppsala University, Sweden)

Stream-aware Scheduling to Improve Latency for Signaling Traffic using CMT-SCTP

Johan Eklund, Karl-Johan Grinnemo and Anna Brunstrom (Karlstad University, Sweden)

11:00 - 12:00 - Keynote*

Patrik Fältström (Netnod)

12:00 - Lunch + Short break

13:30 - 14:45 - Session 2: Cloud Networks and Virtualization

Chair:

Towards Multi-layer Resource Management in Cloud Networking and NFV Infrastructures

Kurt Tutschku (Blekinge Institute of Technology, Sweden); Vida Ahmadi Mehri (Blekinge Tekniska Högskola, Sweden); Anders Carlsson (Blekinge Institute of Technology & Faculty of Computing, Sweden)

Measurement and Analysis of Network Performance in Virtualized Environment

Dejene Boru Oljira, Javid Taheri, Karl-Johan Grinnemo and Anna Brunstrom (Karlstad University, Sweden)

Ensuring Quality of Service through Modeling of Service-level Agreements in Industrial IoT

Saad Mubeen (Mälardalen University, Sweden); Hongyu Pei Breivold (ABB Corporate Research, Sweden); Moris Behnam (Mälardalen University, Sweden)

14:45 - 16:15 - Poster session (incl coffee)*

A Reliable and Efficient Token-Based MAC Protocol for Platooning Applications

Ali Balador (Universitat Politècnica de Valencia, Spain), Annette Böhm (Halmstad University, Sweden), Elisabeth Uhlemann (Mälardalen University, Sweden), Carlos T. Calafate (Universitat Politècnica de Valencia, Spain), Juan-Carlos Cano (Universidad Politécnica de Valencia, Spain)

eHASS: A Smart Appointment Scheduling System for eHealth

Yang Guo (Blekinge Institute of Technology, Sweden), Yong Yao (Blekinge Institute of Technology, Sweden), Guohua Bai (Blekinge Institute of Technology, Sweden)

NEAT - A New, Evolutive API and Transport-Layer Architecture for the Internet

Karl-Johan Grinnemo (Karlstad University, Sweden), Anna Brunstrom (Karlstad University, Sweden), Tom Jones (University of Aberdeen, United Kingdom), Gorry Fairhurst (University of Aberdeen, United Kingdom), Per Hurtig (Karlstad University, Sweden), David Ros (Simula Research Laboratory, Norway)

Modelling of Energy Consumption in IEEE 802.11ah Networks for M2M Traffic

Luca Beltramelli (Mittuniversitetet, Sweden), Patrik Osterberg (Mid Sweden University, Sweden)

16:15 - 17:00 - Session 3: Testbeds

Chair: Saad Mubeen

Popular Event Monitoring Using Raspberry Pis: Experience and (Preliminary) Results

Biniyam Guulay (KTH Royal Institute of Technology, Sweden), Ian Marsh (SICS Swedish Institute of Computer Science, Sweden), Liam JJ McNamara (SICS Swedish Institute of Computer Science, Sweden)

Getting What You Want When You Want It: Deterministic Network Emulation

Johan Garcia and Per Hurtig (Karlstad University, Sweden)

17:30 - Joint departure from campus to city center

18:00 - Social Event*

Guided city tour

19:15 - Workshop dinner*

Restaurant: En liten krog

Thursday June 2nd

09:00 - 10:15 - Session 4: Mobile and Wireless Networks

Chair:

A Protocol for Distributed Voting in Urban Environments

Peter Danielis, Sylvia T. Kouyoumdjieva and Gunnar Karlsson (KTH Royal Institute of Technology, Sweden)

A comparative Study of the Energy Consumption and Quality of Experience in H.264/AVC and H.265/HEVC based Video Delivery on WiFi Networks

Farnaz Moradi, Zhi Zhang and Saeed Bastani (Lund University, Sweden); Martti Forsell (VTT, Finland); Yong Ding and Zhaoyang Zhang (Zhejiang University, P.R. China); Bjorn Landfeldt (Lund University, Sweden)

A Game Theoretic Analysis of Computation Offloading for Mobile Cloud Computing

Slađana Jošilo and György Dán (KTH Royal Institute of Technology, Sweden)

10:15 - Coffee

10:45 - 12:00 - Session 5: Information-Centric Networking

Chair: Peter Danielis

Comparing ICN Forwarding Strategies Using ndnSIM

Ahmed Sadek (Ericsson); Börje Ohlman and Adeel Mohammad Malik (Ericsson, Sweden)

Evaluations of Internet of Things networks on a Content Centric Networking Platform

Akhila Rao (Swedish Institute of Computer Science & Luleå University of Technology, Sweden); Olov Schelén (Luleå University of Technology & Xarepo, Sweden); Anders Lindgren (Swedish Institute of Computer Science, Sweden)

Employing Attribute-Based Encryption in Systems with Resource Constrained Devices in an Information-Centric Networking Context

Joakim Borgh (Uppsala University & Ericsson, Sweden); Edith C.-H. Ngai (Uppsala University & Division of Computer Systems, Sweden); Börje Ohlman (Ericsson, Sweden)

12:00 - Closing

12:15 - Lunch

13:15 - End