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TABLE OF CONTENTS

INTRODUCTION

Thursday, October 13, 2011. 9:00 - 9:15am

KEYNOTE ADDRESS

Wednesday, April 10, 2013. 1:45pm - 3:00pm

Megatrends transforming ICT and policy makers' debates

Marc Vancoppenolle (Vice President Public Affairs Europe)

SESSION 1: HIGH-SPEED AND OPTICAL NETWORKING

Wednesday, April 10, 2013. 3:30pm - 5:00pm

Chair: Walter Colitti, Vrije Universiteit Brussel, Belgium

1. Toward Predictable Performance in Decision Tree based Packet Classification Algorithms (INVITED)

Peng He (Institute of Computing Technology, Chinese Academy of Sciences, China)
 Hongtao Guan (Institute of Computing Technology, Chinese Academy of Sciences, China)
 Laurent Mathy (University of Liège, Belgium)
 Kavé Salamatian (LISTIC-PolyTech, Université de Savoie, France)
 Gaogang Xie (Institute of Computing Technology, Chinese Academy of Sciences, China)

2. On the Quality of Selfish Virtual Topology Reconfiguration in IP-over-WDM Networks

Philip Wette (University of Paderborn, Germany)
 Holger Karl (University of Paderborn, Germany)

3. CAPEX Optimized Routing for Scheduled Traffic in Multi-layer Optical Networks

Hui Ding (State Key Lab. of Information Photonics and Optical Communications, Beijing University of Posts and Telecommunications)
 Byrav Ramamurthy (Department of Computer Science and Engineering, University of Nebraska Lincoln)
 Pan Yi (Department of Computer Science and Engineering, University of Nebraska Lincoln)

4. Performance Optimization with Receiver Collisions Avoidance Protocol Analysis for WDM Networks (SHORT)

Baziana Peristera (National Technical University of Athens)
 Pountourakis Ioannis (National Technical University of Athens)

SESSION 2: MANAGEMENT

Thursday, April 11, 2013. 10:30am - 12:00pm

Chair: Byrav Ramamurthy, University of Nebraska, Lincoln, USA

5. DistBack: A Low-Overhead Distributed Back-Up Architecture with Snapshot Support (INVITED)

Thomas Mager (EURECOM, Sophia Antipolis, France)
 Ernst Biersack (EURECOM, Sophia Antipolis, France)

6. Empirical Evaluation of Energy Saving Margins in Backbone Networks (INVITED)

Paris Charalampou (National Technical University of Athens)
 Anastasios Zafeiropoulos (Greek Research & Technology Network)
 Constantinos Vassilakis (Greek Research & Technology Network)
 Chrysostomos Tziouvaras (Greek Research & Technology Network)



Vasiliki Giannikopoulou (Greek Research & Technology Network)
Nikolaos Laoutaris (Telefonica I+D, S.A.U.)

7. Real-Time Traffic Classification Based on Statistical Tests for Matching Signatures with Packet Length Distributions ** *

Miguel Neto (University of Beira Interior)
Joao V. Gomes (University of Beira Interior)
Mario M. Freire (University of Beira Interior)
Pedro R. M. Inacio (University of Beira Interior)

8. QoS level Estimation for Web Service Composition in an Environmental Assessment System (SHORT) ** -

Nguyen The Cuong (Vrije Universiteit Brussel - Erasmushogeschool Brussel)
Niccolo De Caro (Vrije Universiteit Brussel - Erasmushogeschool Brussel)
Federico Dominguez (Vrije Universiteit Brussel - Erasmushogeschool Brussel)
Kris Steenhaut (Vrije Universiteit Brussel - Erasmushogeschool Brussel)
Abdellah Touhafi (Vrije Universiteit Brussel - Erasmushogeschool Brussel)

SESSION 3: WIRELESS AND APPLICATIONS

Thursday, April 11, 2013. 1:30pm - 3:00pm

Chair: Leo van Biesen, Vrije Universiteit Brussel, Belgium

9. Application of Entropy of Centrality Measures to Routing in Tactical Wireless Networks (INVITED) ** &

Vanniarajan Chellappan (Indian Institute of Technology Madras)
Krishna M. Sivalingam (Indian Institute of Technology Madras)

10. A Markovian Model for Assessing the Consistency of Vehicular Storage Systems ** (,

Mauro Femminella (University of Perugia, DIEI)
Gianluca Reali (University of Perugia, DIEI)
Walter Colitti (Vrije Universiteit Brussel, ETRO)
Kris Steenhaut (Vrije Universiteit Brussel, ETRO)

11. Networks as a Tool to Save Energy While Keeping Up General User Comfort in Buildings ** (

Yann-Michael De Hauwere (Vrije Universiteit Brussel)
Kristof Van Moffaert (Vrije Universiteit Brussel)
Paul-Armand Verhaegen (Katholieke Universiteit Leuven)
Ann Nowe (Vrije Universiteit Brussel)

SESSION 4: DATACENTER AND FLOW NETWORKING

Thursday, April 11, 2013. 3:30pm - 5:00pm

Chair: Virgil Dobrota, Technical University of Cluj-Napoca, Romania

12. Greening Data Center Networks with Flow Preemption and Energy-aware Routing (INVITED) ** \$

Yunfei Shang (Tsinghua University)
Dan Li (Tsinghua University)
Mingwei Xu (Tsinghua University)

13. Optimizing Data Center Traffic of Online Social Networks ** *

Lei Jiao (University of Goettingen, Germany)
Jun Li (University of Oregon, USA)
Xiaoming Fu (University of Goettingen, Germany)



14. Automatic Bootstrapping of OpenFlow Networks ^{++&}

Sachin Sharma (Ghent University)
Dimitri Staessens (Ghent University)
Didier Colle (Ghent University)
Mario Pickavet (Ghent University)
Piet Demeester (Ghent University)

15. QoE-aware Resource Provisioning and Adaptation in IMS-based IPTV Using OpenFlow (SHORT) ^{++,}

Thu-Huong Truong (Hanoi University of Science and Technology)
Nguyen Huu Thanh (Hanoi University of Science and Technology)
Nguyen Tai Hung (Hanoi University of Science and Technology)
Julius Mueller (Technical University Berlin)
Thomas Magedanz (Fraunhofer FOKUS Institute Berlin)

SESSION 5: SENSOR NETWORKS

Friday, April 12, 2013. 10:30am - 12:00pm

Chair: Jacques Tiberghien, Vrije Universiteit Brussel, Belgium

16. Advanced Caching for Distributing Sensor Data Through Programmable Nodes (INVITED) ^{++, %}

Mauro Femminella (University of Perugia)
Gianluca Reali (University of Perugia)
Dario Valocchi (University of Perugia)
Roberto Francescangeli (Columbia University)
Henning Schulzrinne (Columbia University)

17. LuxTraffic: A Collaborative Traffic Sensing System ^{++, +}

Aleksandrina Kovacheva (University of Luxembourg)
Raphael Frank (University of Luxembourg)
Thomas Engel (University of Luxembourg)

18. Low-Overhead Time Synchronization for Schedule-Based Multi-Channel Wireless Sensor Networks ^{++-'}

Kieu-Ha Phung (Vrije Universiteit Brussel)
Huy Tran (Hanoi University of Science and Technology)
Jelmer Tiete (Vrije Universiteit Brussel)
Kris Steenhaut (Vrije Universiteit Brussel)
Lan Tran (Hanoi University of Science and Technology)

19. Reliable and Energy Efficient Cluster-based and Event-driven Routing Scheme for Wireless Sensor Networks (SHORT) ⁺⁺⁻⁻

Thu Ngo-Quynh (Hanoi University of Science and Technology)
Kieu Ha Phung (Vrije Universiteit Brussel)
Huy Cong Nguyen (Hanoi University of Science and Technology)

PANEL SESSION

Friday, April 12, 2013. 1:30pm - 3:00pm

SESSION 6: PERFORMANCE

Friday, April 12, 2013. 3:30pm - 5:00pm

Chair: Nicola Laurenti, University of Padova, Italy

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20. Wireless Multi-hop Networks Beyond Capacity (INVITED)

Adel Aziz (EPFL)
Vsevolod (Seva) Shneer (Heriot-Watt University)
Patrick Thiran (EPFL)

21. Random Backoff Control to Thwart Malicious Behavior in WLANs

Youssef El Hajj Shehadeh (University of Goettingen)
Mohamad Hotait (University of Goettingen)
Kifah Tout (EDST, Lebanon)
Dieter Hogrefe (University of Goettingen)

22. On the Security of WLAN Access Points Integrated in 4G/LTE Architectures (INVITED)

Naim Qachri (Universite Libre de Bruxelles)
Jean-Michel Dricot (Universite Libre de Bruxelles)