

IFIP WWIC 2016 - Conference Program

May 25, 2016

- 09:15 – 09:30 **Welcome**
- 09:30 – 10:30 **Keynote: Scott Burleigh**
Session Chair : Lefteris Mamatras, University of Macedonia, Greece
Delay-Tolerant Information-Centric Networking
Scott Burleigh (NASA Jet Propulsion Laboratory - JPL, USA)
- 10:30 – 11:00 **Coffee Break**
- 11:00 – 13:00 **Wireless Technologies and Systems**
Session Chair : Francisco Barceló-Arroyo, Universitat Politècnica de Catalunya, Spain
Location Based Transmission Using a Neighbour Aware-Cross Layer MAC for Ad Hoc Networks
Jims Marchang (University of Plymouth & CSCAN Research Centre, United Kingdom), Bogdan Ghita (Plymouth University, United Kingdom), David Lancaster (University of Plymouth, United Kingdom)
Message Transmission Scheduling on Tandem Multi-hop Lossy Wireless Links
Agussalim Agussalim and Masato Tsuru (Kyushu Institute of Technology, Japan)
Influence of Backoff Period in slotted CSMA/CA of IEEE 802.15.4
Ahmad Naseem Alvi (COMSATS Institute of Information Technology, Pakistan), Safdar Hussain Bouk (Kyungpook National University & COMSATS Institute of Information Technology, Islamabad, Korea), Syed Hassan Ahmed and Muhammad Azfar Yaqub (Kyungpook National University, Korea)
High-Performance Wideband SDR Channelizers
Islam Alyafawi (University of Bern, Switzerland), Arnaud Durand (Uni Fribourg, Switzerland), Torsten Ingo Braun (University of Bern, Switzerland)
- 13:00 – 14:00 **Lunch Break**
- 14:00 – 15:30 **Middleboxes and Addressing**
Session Chair : Dimitris Vardalis, Democritus University of Thrace, Greece
Multipath TCP Proxy: unshackling network nodes from today's end-to-end connection principle
Christos Pollalis (National Technical University of Athens, Greece), Paris Charalampou (National Technical University Of Athens, Greece), Efstathios Sykas (NTUA, Greece)
SDN-Based Source Routing for Scalable Service Chaining in Datacenters
Ahmed Abujoda (Leibniz Universität Hannover, Germany), Hadi Razzaghi Kouchaksaraei (Leibniz Universität Hannover & LUH, Germany), Panagiotis Papadimitriou (Leibniz Universität Hannover, Germany)
An efficient geographical addressing scheme for the Internet
Bernd Meijerink, Mitra Baratchi and Geert Heijenk (University of Twente, The Netherlands)
- 15:30 – 16:00 **Coffee Break**
- 16:00 – 17:30 **Energy Efficiency**
Session Chair : Scott Burleigh, NASA Jet Propulsion Laboratory, USA
On the energy inefficiency of MPTCP for mobile computing
Mohammad Javad Shamani and Weiping Zhu (University of New South Wales, Australia), Saeid Rezaei (Kharazmi University, Iran)
Buffering... energy for mobile devices: A "store and rendezvous" approach
Dimitris Vardalis and Christos-Alexandros Sarros (Demokritos University of Thrace, Greece), Vassilis Tsaoussidis (Democritus University of Thrace, Greece)
Data Aware Communication for Energy Harvesting Sensor Networks
Mohamed S Hefeida (American University of The Middle East, Kuwait), Fahad Saeed (Western Michigan University, USA)
- 20:00 **Welcome Reception**

May 26, 2016

- 09:30 – 10:30 **Keynote: George Pavlou**
Session Chair : Panagiotis Papadimitriou, Leibniz University Hannover, Germany
Information-Centric Networking Support for Mobile Multimedia Services: Overview, State and Challenge
George Pavlou (University College London - UCL, UK)
- 10:30 – 11:00 **Coffee Break**
- 11:00 – 13:00 **Network Applications and Tools**
Session Chair : Geert Heijenk, University of Twente, Netherlands
Scalability of passive and active solutions for time-based ranging in IEEE 802.11 networks
Israel Martin-Escalona (Technical University of Catalonia, Spain), Marta Malpartida (Universitat Politecnica de Catalunya (UPC), Spain), Enrica Zola (Technical University of Catalonia, Spain), Francisco Barcelo-Arroyo (Universitat Politecnica de Catalunya (UPC), Spain)
A Collaborative Video Download Application Based on Wi-Fi Direct
Haotian Sha, Argyrios G. Tasiopoulos, Ioannis Psaras and George Pavlou (University College London, United Kingdom)
Human-in-the-loop Connectivity Management in Smartphones
David Nunes, Jorge Sá Silva and Fernando Boavida (University of Coimbra, Portugal), Carlos Herrera (Escuela Politecnica Nacional, Departamento de Electronica y Telecomunicaciones, Quito, Ecuador)
Hardware MIMO channel simulator for cooperative & heterogeneous 5G networks with VLC signals
Bachir Habib (USEK, Lebanon), Badih E Baz (USEK - Holy Spirit University of Kaslik, Lebanon)
- 13:00 – 14:00 **Lunch Break**
- 14:00 – 15:30 **Network Protocols**
Session Chair : George Pavlou, UCL, UK
Improving spatial indexing and searching for location-based DNS queries
Daniel Moscoviter, Mozhdeh Gholibeigi and Bernd Meijerink (University of Twente, The Netherlands), Ruben Kooijman and Paul Krijger (Simacan BV, The Netherlands), Geert Heijenk (University of Twente, The Netherlands)
QoS Multi-Tree Based Routing Protocol for Inter-Mesh Infrastructure Communications
Hajer Bargaoui (University of Burgundy, France), Nader Mbarek (LE2I, University of Burgundy, France), Olivier Togni (University of Burgundy, France), Mounir Frikha (High School of Communication in Tunis, Tunisia)
A Variable-Length Network Encoding Protocol for Big Genomic Data
Fahad Saeed and Mohammed Aledhari (Western Michigan University, USA), Mohamed S Hefeida (American University of The Middle East, Kuwait)
- 15:30 – 16:00 **Coffee Break**
- 16:00 – 17:30 **Network Modeling**
Session Chair : Kostas Psannis, University of Macedonia, Greece
On the Evolution of Complex Network Topology under Network Churn
Vasileios A Karyotis (National Technical University of Athens, Greece), Eleni G Stai (Institute of Communications and Computer Systems / National Technical University of Athens, Greece), Symeon Papavassiliou (National Technical University of Athens, Greece)
A Reputation-Based Coalition Game to Prevent Smart Insider Jamming Attacks in MANETs
Taiwo Oyedare (Tennessee State University, USA), Ashraf Al Sharah (Tennessee state, USA), Sachin Shetty (Tennessee State University, USA)
A Goodness Based Vertical Handoff Algorithm for Heterogeneous Networks
Shankar Kumar Ghosh and Sasthi C. Ghosh (Indian Statistical Institute, India)
- 20:00 **Gala Dinner**

May 27, 2016

- 09:30 – 10:30 **Keynote: Torsten Braun**
Session Chair : Sofia Petridou, University of Macedonia, Greece
Mobile Follow-Me Cloud - Integrating NFV, MEC, ICN & Mobility Prediction
Torsten Braun (University of Bern, Switzerland)
- 10:30 – 11:00 **Coffee Break**
- 11:00 – 13:00 **Wireless Sensor Networks**
Session Chair : Torsten Braun, University of Bern, Switzerland
Routing-Aware Time Slot Allocation Heuristics in Contention-Free Sensor Networks
Lemia Louail (FEMTO-ST Institute & University of Franche-Comté, France), Violeta Felea (LIFC, Université de Franche-Comté, France)
System design and analysis of UAV-assisted BLE wireless sensor systems
Dmitri Moltchanov (Tampere University of Technology, Finland), Mikhail Komarov (National Research University Higher School of Economics, Russia)
Implementing a Broadcast Storm Attack on a Mission-Critical Wireless Sensor Network
Irina Krivtsova, Ilya Lebedev, Mikhail Sukhoparov and Nurzhan Bazhayev (ITMO University, Russia), Igor Zikratov (University ITMO, Russia), Aleksandr Ometov and Sergey Andreev (Tampere University of Technology, Finland), Pavel Masek, Radek Fujdiak and Jiri Hosek (Brno University of Technology, Czech Republic)
Critical Sensor Density for Event-driven Data-gathering in Delay and Lifetime Constrained WSN
Debanjan Sadhukhan (Indian Institute of Technology Guwahati, India), S. V. Rao (Indian Institute of Technology, Guwahati, India)
- 13:00 – 14:00 **Lunch Break**
- 14:00 – 15:30 **Resource Management and Optimization**
Session Chair : Lefteris Mamatas, University of Macedonia, Greece
Effective Capacity in Broadcast Channels with Arbitrary Inputs
Marwan Hammouda, Sami Akin and Jürgen Peissig (Leibniz Universität Hannover, Germany)
Throughput Improvement Using Partially Overlapping Channels in WLAN with Heterogeneous Clients
Sreetama Mukherjee (Jadavpur University, India), Sasthi C. Ghosh (Indian Statistical Institute, India)
Optimal Link Deployment for Minimizing Average Path Length in Chain Networks
Zeki Bilgin (Turkish National Police, Turkey), Murat Gunestas (Turkish National Police, USA), Omer Demir (Turkish National Police, Turkey), Sahin Buyrukbilen (Turkish Security Ministry, Turkey)
- 15:30 – 15:35 **Concluding Remarks**