

Second Joint ERCIM eMobility and MobiSense Workshop
11th International Conference on Wired/Wireless
Internet Communications - WWIC 2013
June 4 - 7, 2013 St. Petersburg, RUSSIA



Tuesday, June 4, 2013

Second Joint ERCIM eMobility and MobiSense Workshop

Address: Palace of Grand Duke Vladimir (Dom Uchyonih - The House of Scientists), Dvortsovaya nab. 26

10:00 – 10:50 Keynote Presentation

What You Pay Is What You Get – Economics of Quality of Experience in Fixed and Mobile Telecommunications, Peter Reichel (Telecom Bretagne, France)

10:50 – 11:00 Coffee Break

11:00 – 13:00 Session I: Localisation

Using Floor Plan to Calibrate Sensor Drift Error for Indoor Localization, Kun-chan Lan, Wen Yuah Shih (National Cheng Kung University, Taiwan)

Linux-based Measuring Platform for Time-Based Location Observables in IEEE 802.11 Networks, Israel Martin-Escalona, Francisco Barcelo-Arroyo, Enrica Zola (Polytechnic University of Catalonia, Spain)

Active vs Passive localisation strategies, Desislava C. Dimitrova (University of Bern, Switzerland)

Mobility patterns: implications on network parameters and handover, Enrica Zola (Polytechnic University of Catalonia, Spain) (invited talk)

13:00 – 14:00 Lunch

14:40 – 16:00 Session II: Wireless Sensor Networks

A framework towards adaptable and delegated end-to-end transport-layer security for Internet-integrated Wireless Sensor Networks, Jorge Granjal, Edmundo Monteiro, Jorge Sá Silva (University of Coimbra, Portugal)



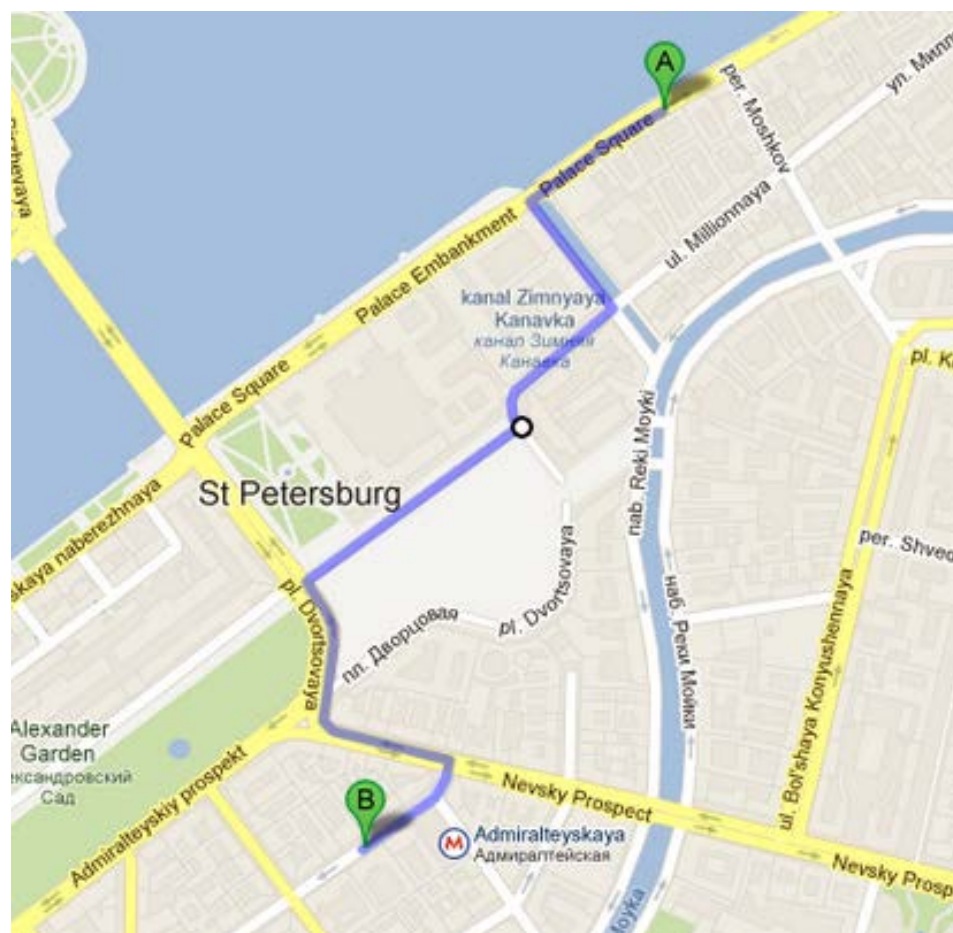
Middleware Group Communication Mechanisms in M2M environments, André Riker, Jorge Granjal, Marilia Curado, Edmundo Monteiro (University of Coimbra, Portugal)

TR-MAC: An Energy-Efficient MAC Protocol for Wireless Sensor Networks Exploiting Noise-based Transmitted Reference Modulation, Sarwar Morshed, Geert Heijenk (University of Twente, The Netherlands)

Mobility2.0: Co-operative ITS Systems for Enhanced Electric Vehicle Mobility, Geert Heijenk (University of Twente, The Netherlands) (invited talk)

18:00 Social event

Restaurant 'Gogol'. The address is Malaya Morskaya 8 (in Cyrillic «Ресторан Гоголь, Малая Морская 8», point B on the map) – in a walking distance from the venue place (point A on the map), takes about 15 min. <http://www.restaurant-gogol.ru/>





Wednesday, June 5, 2013

WWIC

Address: Palace of Grand Duke Vladimir (Dom Uchyonih - The House of Scientists), Dvortsovaya nab. 26

9:30 - 9:45 Registration and opening

9:45 - 10:30 Keynote Presentation

From LTE to LTE-Advanced: Key Enablers, Dr. Alexey Anisimov, Nokia Siemens Networks

10:30 - 11:00 Coffee Break

11:00 - 12:30 Session I: MAC Layer Issues and Scheduling

Performance Analysis of Uplink Coordinated Multi-Point Reception in Heterogeneous LTE Deployment, Olga Galinina (Tampere University of Technology, Finland), Alexey Anisimov (State University of Aerospace Instrumentation, Russia), Sergey Andreev (Tampere University of Technology, Finland), Yevgeni Koucheryavy (TUT, Finland)

Additive-Increase Multiplicative-Decrease MAC Protocol with Multi-Packet Reception, Ke Li (University of Alberta, Canada), Majid Ghanbarinejad (University of Alberta, Canada), Ioanis Nikolaidis (University of Alberta, Canada), Christian Schlegel (University of Alberta, Canada)

Spotique: a New Approach to Local Messaging, Manfred Sneps-Sneppé (AbavaNet, Russia), Dmitry Namiot (Moscow State University, Russia)

12:30 - 13:30 Lunch

13:30 - 15:00 Session II: Mobility

Service Creation and Self-Management Mechanisms for Mobile Cloud Computing, Tatiana Aubonnet (CNAM, CEDRIC, France), Noemie Simoni (Telecom Paristech, France)

Modelling Mobility based on Human Behaviour in Disaster Areas, Luis Conceicao (University of Coimbra, Portugal), Marilia Curado (University of Coimbra, Portugal)



Robust Association for Multi-radio Devices under Coverage of Multiple Networks, Enrica Zola (Technical University of Catalonia, Spain), Peter Dely (Karlstad University, Sweden), Andreas J. Kassler (Karlstad University, Sweden), Francisco Barcelo-Arroyo (Universitat Politecnica de Catalunya (UPC), Spain)

15:00 – 15:30 Coffee Break

15:30 – 16:30 Session III: Fixed Networks

Phase Planning for Overall Copper-Fiber Switch-over, Jose M Gutierrez (Aalborg University, Denmark), Michael Jensen (Aalborg University, Denmark), Morten Henius (Aalborg University, Denmark), Jens Myrup Pedersen (Aalborg University, Denmark)

Design and Implementation of HDFS over Infiniband with RDMA, Buyun Dong (Nanjing University, P.R. China), Fang Pei (Nanjing University, P.R. China), Fu Xiao (Nanjing University, P.R. China), Luo Bin (Nanjing University, P.R. China), Zhao Hong (Nanjing University, P.R. China)

18:30 – 21:30 Social event

Boat Trip along St. Petersburg water channels and rivers. Boat leaves at 18:30 from a berth located 100 meters from the venue place (see Maps directory at the last page of this Technical Program). Snacks and drinks will be provided. If you are lost or late you can contact Conference Chair by +79211894486 or +358407710619.



Thursday, June 6, 2013

WWIC

Address: Palace of Grand Duke Vladimir (Dom Uchyonih - The House of Scientists), Dvortsovaya nab. 26

9:45 - 10:30 Keynote Presentation

Key Enabling Technologies for the Internet of Things, Prof. Yevgeni Koucheryavy, Tampere University of Technologies, Finland

10:30 - 11:00 Coffee Break

11:00 - 12:30 Session IV: Services and Security

How Paradoxical is the "Paradox of Side Payments"? Notes from a Network Interconnection Perspective, Peter Reichl (University of Vienna & Universite Europeenne de Bretagne / Telecom Bretagne, Rennes, Austria), Patrick Zwickl (Telecommunications Research Center Vienna (FTW), Austria), Christian Low (Telecommunications Research Center Vienna (FTW), Austria), Patrick Maille (Institut Mines-Telecom / Telecom Bretagne, France)

Securing Address Registration in Location/ID Split Protocol using ID-Based Cryptography, Mahdi Aiash (Middlesex University, United Kingdom), Ameer Al-Nemrat (University of East London, United Kingdom), David Preston (University of East London, United Kingdom)

Application-layer security for the WoT: Extending CoAP to support end-to-end message security for Internet-integrated sensing applications, Jorge Granjal (University of Coimbra, Polo 2 & Dep. Informatics Engineering, Portugal), Edmundo Monteiro (University of Coimbra, Portugal), Jorge Sa Silva (University of Coimbra, Portugal)

12:30 - 13:30 Lunch

13:30 - 15:00 Session V: Sensor Networks

Energy Evaluation Model for an Improved Centralized Clustering-Hierarchical Algorithm in WSN, Mian Ahmad Jan (University of Technology Sydney, Australia),



Priyadarsi Nanda (University of Technology Sydney, Australia), Xiangjian He (University of Technology, Sydney, Australia)

Applying a Continuous Working Time model to dynamic clustering in energy constrained Wireless Sensor Networks, Arezoo Vejdandarast (Qazvin Islamic Azad University (QIAU), Iran), Ali Karami (University of York, United Kingdom)

Construction of a Sensor Network to Forecast Landslide Disasters, Sensor Terminal Development and On-Site Experiments, Hikofumi Suzuki (Shinshu University, Japan), Yasushi Fuwa (Shinshu University, Japan), Hiroaki Nose (Nagano Prefectural Institute of Technology, Japan), Masato Futagawa (Toyohashi University of Technology, Japan), David Asano (Shinshu University, Japan), Kazuaki Sawada (Toyohashi University of Technology, Japan)

15:00 – 15:30 Coffee Break

15:30 – 16:30 Session VI: Services

Local SIP Overload Control, Luca De Cicco (Politecnico di Bari, Italy), Giuseppe Cofano (Politecnico di Bari, Italy), Saverio Mascolo (Politecnico di Bari, Italy)

Profiling Packet Processing Workloads on Commodity Servers, Ahmed Abujoda (Hannover University, Germany), Panagiotis Papadimitriou (Leibniz Universitat Hannover, Germany)

Fractional Frequency Reuse in Integrated Femtocell/Macrocell Environments, Christos Bouras (University of Patras and RACTI, Greece), Vasileios Kokkinos (CTI Diophantus and University of Patras, Greece), Andreas Papazois (CTI and University of Patras, Greece), Georgia Tseliou (CTI Diophantus and University of Patras, Greece)



Friday, June 7, 2013

WWIC

10:30 – 13:00 Social Event – guided tour in English to the State Hermitage Museum

Guided tour to Hermitage Museum starts at 10:30 sharp. Please be at the meeting point (next to WWIC venue – The House of Scientists), Dvortsovaya nab. 26) at 10:00 sharp. If you are lost or late you can contact Olga Galinina +79516879847.

13:15 – 15:15 Session VII: Wireless Networks

Address: Palace of Grand Duke Vladimir (Dom Uchyonih – The House of Scientists), Dvortsovaya nab. 26

Performance Evaluation of Bit Error Rate in Relay-Based Cooperative Diversity Systems over Rayleigh Fading Channels with Interference, Rami Mohaisen (Jordan University of Science and Technology, Jordan), Mamoun F. Al-Mistarihi (Jordan University of Science and Technology, Jordan)

Optimal Joint Sensing Threshold and Sub-channel Power Allocation in Multi-channel Cognitive Radio, Xin Liu (Nanjing University of Aeronautics and Astronautics, P.R. China), Guoan Bi (Nanyang Technological University, Singapore), Rui Lin (Nanyang Technological University, Singapore), Yong Liang Guan (Nanyang Technological University, Singapore)

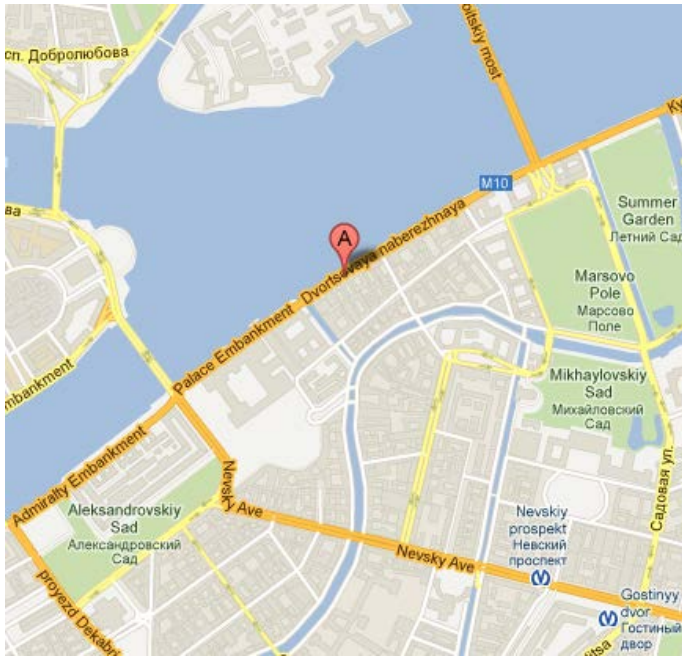
Crosstalk-steady receivers for small-scale WCAN networks, Evgeny Bakin (State University of Aerospace Instrumentation, Russia), Konstantin Gurnov (Assistant, Russia), Grigory Evseev (St.Petersburg State University of Aerospace Instrumentation, Russia)

Evaluating Battery Models in Wireless Sensor Networks, Christian Rohner (Uppsala University, Sweden), Laura Feeney (Swedish Institute of Computer Science & Uppsala University, Sweden), Per Gunningberg (Uppsala University, Sweden)



MAPS

Venue – Palace of Grand Duke Vladimir (Dom Uchyonih – The House of Scientists), Dvortsovaya nab. 26



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