

The 2th International Workshop on Planning and Optimisation of Wireless Networks

**21th to 23th of March 2012, Halifax, The Endcliffe Village, Sheffield,
S10 3ER, UK**

Chairs

Prof. Jie Zhang,
The University of Sheffield, UK

Mehmet Aydin,
University of Bedfordshire, UK

Dr. Hui Song
Ranplan Wireless Network Design
Ltd.



The
University
Of
Sheffield.



University of
Bedfordshire

Registration Fees

Standard registration fee:

Free

Student:

Free



First Day Agenda (Wednesday)

08.30h Breakfast and Registration

09.00h Opening (Prof. Jie Zhang, University of Sheffield)

9.15h Oral Session 1

Li-Ke Huang, Aeroflex, UK, (**KEYNOTE**)

"Radio access network evolution and management for LTE-Advanced and beyond"

Yuan Zhang, Aeroflex, UK

"LTE-Advanced network interference management and cancellation"

Jimin Liu, Ranplan Wireless Network Design Ltd. UK

"Small Cell Deployment in Heterogeneous LTE Networks"

Mounir Arioua, Cadi Ayyad University, Morocco

"Optimized 256-point FFT/IFFT architecture applied for OFDM wireless broadband communication"

12.30h Lunch

13.30h Oral Session 2

Tim O'Farrell, University of Sheffield, UK (**KEYNOTE**)

"Energy Efficiency in Relay Assisted Cellular Radio Access Networks"

Zhiguo Ding, University of Newcastle, UK

"Network coding in cooperative diversity"

Lei Chen, Linkoping University, Sweden

"On Optimal Link Activation with Multiuser Decoding in Wireless Networking"

Zhu Xiao, University of Bedfordshire, UK

"Hidden Markov Model-based Femtocell status predicting"

15.30h Coffee Break

16.00h Oral Session 3

Xiaoyan Lin, Motorola UK, UK

"Femtocell Operation and Marketing Strategies - A General Study"

Mohammad Hammoudeh, Manchester Metropolitan University, UK

"Applications-customisable Load-balanced Routing for Wireless Sensor Networks"

Xu Zhu, Liverpool University, UK

"Dynamic Resource Management for Next Generation Broadband Wireless Communication Systems"

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Second Day Agenda (Thursday)

09.00h Breakfast

9.10h Oral Session 1

Sana Salous, University of Durham, UK (**KEYNOTE**)

"MIMO Channel Modelling and Measurement: Part I"

"MIMO Channel Modelling and Measurement: Part II"

Cheng-Xiang Wang, Heriot-Watt University, UK (**KEYNOTE**)

"Recent Developments in Channel Modelling"

Luca Reggiani, Politecnico di Milano, Italy

"Improving energy efficiency in multi-cell OFDMA networks"

12.30h Lunch

13.30h Oral Session 2

Zhihua Lai, Ranplan, UK

"Radio Propagation in the Built Environments"

Yunfei Chen, Warwick University, UK

"Spectrum Sensing Based on Practical Recovered Secondary Frames"

Faisal Qureshi, University of Bedfordshire, UK

"Energy Efficient Cognitive Radio MAC Protocol with Adaptive Frame Aggregation for Adhoc Networks"

15.30h Coffee Break

16.00h Oral Session 3

Daniel Ka Chun So, The University of Manchester, UK

"Spectrum Sensing Techniques with Intermittent Primary System"

Fayez Alfayez, Manchester Metropolitan University, UK

"Linear Structure-based Optimization for Wireless Sensor Networks"

Tariq Alsboui, Manchester Metropolitan University, UK

"An Integrated Framework of Hybrid Approaches for Information Extraction in Wireless Sensor Networks"

Abdelrahman Abuarqoub, Manchester Metropolitan University, UK

"An Energy-aware Framework for Extracting High-quality Information from Mobile Wireless Sensor Networks"

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Third Day Agenda (Friday)

09.00h Breakfast

9.10h Oral Session 1

Jie Zhang, University of Sheffield, UK (**KEYNOTE**)

"From Smart Meters to Smart Buildings onto Smart Cities"

Tran The Son, Nauman Aslam, Hoa Le Minh, Graham Sexton,

Northumbria University, UK

"A Bayesian Network based Schemes for QoS Aware Routing in Mobile Ad hoc Networks"

Hui Song, Ranplan, UK

"An Optimization Model for WLAN Network Deployment"

11.00h Coffee Break

11.30h Oral Session 2

David Lopez, King's College London, UK

"Mobility Management in Heterogeneous and Small Cell Networks"

Alvaro Valcarce, TriaGnoSys GmbH, Germany

"Architectures for emergency & aeronautical communications"

Lorenzo Galati Giordano, Azcom Technology S.R.l., Italy

"Performance of Cross-Layer and QoS-Aware Scheduling in LTE Small Cell Environment"

12.30h Lunch

13.30h Oral Session 3

Alpar Juttner, Eötvös Loránd University, Hungary

"Using Generic Optimization Technique in Wireless Network planning and optimisation"

Panu Lähdekorpi, Magister Solutions Ltd., Finland

"Simulation aspects in development of novel radio network technologies"

Abdullahi Mohammed, University of Bedfordshire, UK

"Mathematical programming model and optimisation approach for LTE RAN planning"

16.00h Coffee Break