

The 8th International Workshop on Small Cell and HetNet

21st and 22nd of May 2013, Putteridge Bury, Hitchin Road, Luton,
Bedfordshire LU2 8LE

Chairs

Prof. Jie Zhang,
The University of Sheffield, UK

Dr Zihua Lai
Ranplan Wireless Network Design
Ltd., UK

Coordinator

Wei Ding,
University of Bedfordshire, UK



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2013

Registration Fees

Registration fee:
Free



Day One Agenda (Tuesday)

10.00h Registration

10.15h Opening (Prof. Jie Zhang)

10.30h Oral Session 1

Dr. Hafiz Yasar Lateef, Qatar Mobility Innovations Center (QMIC),
Qatar Science & Technology Park, Qatar

*"A Roadmap to evolution of Self-Organising LTE-Advanced Cellular
Networks"*

11.15h Coffee Break

11.30h Dr. Yue Gao, Queen Mary University of London, UK

"Interference mitigation and diversity antennas for femtocells"

12.30h Lunch

13.30h Oral Session 2

Prof. Yichuang Sun, University of Hertfordshire, UK

"Advanced MIMO Techniques for Wireless Communication Systems"

Dr. Maozhen Li, Brunel University, UK

"Big Data Analysis for Smart Grids"

Dr. David Lopez, Bell Laboratories, Alcatel-Lucent, Ireland

"Frequency Reuse through Sector Offset Configuration in LTE"

15.15h Coffee Break

15.30h Oral Session 3

Dr. Zihua Lai, Ranplan Wireless Network Design Ltd., UK

"Recent Propagation Development in Ranplan"

16:00h Dr. Marzieh Dashti, University of Sheffield, UK

"Positioning and tracking of wireless nodes and objects"

16:30h Keynote (Prof. Jie Zhang), University of Sheffield, UK

"Small Cell Deployment Challenges - A 2013 Update"

17:30h Dr. Jianhua He, Aston University, UK

*"Modeling Uplink Interference with Frequency Reuse Schemes in
OFDMA Cellular Networks"*

19:00h Conference Dinner

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Day Two Agenda (Wednesday)

10.00h Oral Session 1

Prof. Sana Salous, Durham University, UK

"Radio propagation measurements and spectrum sensing"

11.00h Coffee Break

11:15h Prof. Di Yuan

, Linkoping University, Sweden

"Revisiting Minimum-Length Scheduling with Finite Queues in Wireless Systems"

11:55h Dr. Kai-Kit Wong

, University College London, UK

"Robust Analytical Optimisation for MISO Interference Channels"

12.30h Lunch

13.30h Oral Session 2

Dr. Ludek Subrt, Czech Technical University in Prague, Czech Republic

"Controlling Coverage for Indoor Wireless Networks using Smart Walls"

Dr. Weisi Guo, Warwick University, UK

"Optimal Small Cell Placement in a Heterogeneous Network Environment"

Mr. Mohamad El Cheikh, University of Hertfordshire, UK

"Power optimised relay selection techniques for cooperative wireless networks"

15.15h Coffee Break

15.30h Oral Session 3

Mr. Jialai Weng, University of Sheffield, UK

"Propagation Modelling: From Electromagnetic Waves to Capacity Waves"

Mr. Olu Simpson, University of Hertfordshire, UK

"Cooperative Spectrum Sensing Techniques for Cognitive Radio Systems"

Mr. Chris Davenport, University of Sheffield, UK

"Periodic comb reflection gratings for interference reduction"

17.30h Closure