

Green Wireless Communications and Networks Workshop (GreeNet)

Date 6th of September 2010

Time: 08:00 – 17:50

Registration 08:00 – 09:00

Session 1: Opening 09:00 – 10:30

Chair: Witold Krzymień, Ngọc-Dũng Đào

Opening remarks: 10 min

Two Keynote Addresses:

1. **Dr. Reinaldo Valenzuela**, Alcatel-Lucent Bell Labs, USA 35 min
2. **Dr. Takeshi Origuchi**, NTT, Japan 35 min

Coffee break 10:30 – 10:50

Session 2: 10:50 – 12:30

Chair: Ngọc-Dũng Đào

1. **Invited paper – EARTH Project:** Enablers for Energy Efficient Wireless Networks
Gunther Auer¹, Istvan Godory², Laszlo Hevizi², Muhammad Ali Imran³, Jens Malmodin⁴, Peter Fasekas⁵, Gergely Biczok⁵, Hauke Holtkamp¹, Dietrich Zeller⁶, Oliver Blume⁶, Rahim Tafazolli³
¹DOCOMO Euro-Labs, Germany, ²Ericsson Research, Hungary, ³University of Surrey, UK, ⁴Ericsson Radio Systems, Sweden, ⁵Budapest University of Technology & Economics, Hungary, ⁶Alcatel-Lucent Bell Labs, Germany
2. **Invited paper – Alcatel-Lucent Shanghai Bell:** Energy efficiency of heterogeneous cellular network
Wei Wang, Gang Shen, Alcatel-Lucent Shanghai Bell Co., Ltd. P. R. China
3. On the Energy Consumption of Relay Networks
André L. Brandão, Communications Research Centre, Canada
4. Green Power Amplification Systems for 3G+ Wireless Communication Infrastructure
Oualid Hammi, Andrew Kwan, and Fadhel M. Ghannouchi, University of Calgary, Canada
5. Improving Energy Efficiency through Bandwidth, Power, and Adaptive Modulation
Shunqing Zhang, Yan Chen, and Shugong Xu, Huawei Technologies, Co. Ltd., Shanghai, P. R. China

Lunch Break 12:30 – 14:00

Session 3: 14:00 – 15:40

Chair: Witold Krzymień

1. **Invited paper – MVCE Green Radio Project:** Inter-Cell Interference Reduction via Store Carry and Forward Relaying
Panayiotis Kolios¹, Vasilis Friderikos¹, Katerina Papadaki²
¹King's College London, ²London School of Economics, UK
2. Power Efficient Dynamic Resource Scheduling Algorithms for LTE
C. Han, K. C. Beh, M. Nicolaou, S. Armour, A. Doufexi, University of Bristol, UK
3. Energy Efficient Antenna Deployment Design Scheme in Distributed Antenna Systems
Tiankui Zhang¹, Congqing Zhang¹, Laurie Cuthbert², Yue Chen²
¹Beijing University of Posts and Telecommunications, P. R. China, ²Queen Mary University of London, UK
4. TOU-Aware Energy Management and Wireless Sensor Networks for Reducing Peak Load in Smart Grids
Melike Erol-Kantarci and Hussein T. Mouftah, University of Ottawa, Canada
5. Opportunistic Relay Selection in Future Green Multihop Cellular Networks
Hong Lei, Xiao Fan Wang, Peter H. J. Chong, Nanyang Technological University, Singapore

Coffee break 15:40 – 16:00

Session 4: Keynote and Panel 16:00 – 17:40

Chair: Witold Krzymień, Ngọc-Dũng Đào

Keynote Address: Prof. Gerhard P. Fettweis, Dresden University of Technology, Germany 35 min

Green Wireless Communications Panel 55 min

Closing remarks 17:40 – 17:50

Ngọc-Dũng Đào

Chairs:

Yong Sun, Toshiba Research Europe Ltd., UK

Witold A. Krzymień, University of Alberta, Canada

Ngọc-Dũng Đào, Toshiba Research Europe Ltd., UK

Yuefeng (Peter) Zhou, Huawei Technologies Co., Ltd., UK

Workshop Closing at 17:50