

International Workshop on Self-Organizing Networks *IWSON*

Sunday, May 15, 2011, Budapest



IEEE VTC2011-Spring Workshop

<http://www.ieeevtc.org/vtc2011spring/workshops.php>

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- 8.30 – 9.00 **Registration**
- 9.00 – 9.15 **Welcome and practical matters**
- 9.15 – 11.45 **Session I: Mobility Robustness Optimization (Chair: Fredrik Gunnarsson, Ericsson Research)**
- *LTE handover optimisation using uplink ICIC (# 28095)*; Gao Hui, Peter Legg, Huawei Technologies R&D center, Kista, Sweden
 - *Weighted performance based handover parameter optimization in LTE (# 66138)*; Thomas Jansen, Thomas Kürner, TU Braunschweig, Germany; Irina Balan, Ingrid Moerman, Ghent University – IBBT, Belgium; Szymon Stefanski, Nokia Siemens Networks Research, Wroclaw, Poland
- ca. 10.15 – 10.45 Coffee Break**
- *Coordinating Handover Parameter Optimization and Load Balancing in LTE Self-Optimizing Networks (# 46168)*; Andreas Lobinger, Szymon Stefanski, Nokia Siemens Networks Research Germany/Poland; Thomas Jansen, TU Braunschweig, Germany; Irina Balan, Ghent University – IBBT, Belgium
 - *Optimization of Handover Parameters in a Realistic Urban Scenario for LTE Networks (# 97244)*; Jaime Rodríguez Membrive, Isabel de la Bandera, Pablo Muñoz, Raquel Barco, University of Málaga, Spain
- 11.45 – 13.30 **Lunch – Poster & Demonstrator Session**
- 13.30 – 15.00 **Session II: Self-configuration (Chair: Lars Christoph Schmelz, Nokia Siemens Networks)**
- *Automatic Site Identification and Hardware-to-Site Mapping for Base Station Self Configuration (# 23574)*; Tobias Bandh, TU München, Germany; Henning Sanneck, Nokia Siemens Networks Research, Munich, Germany
 - *Evaluation of the Automatic Neighbor Relation Function in a Dense Urban Scenario (# 95088)*; Christian M. Mueller, Universität Stuttgart, Germany; Hajo Bakker, Lutz Ewe, Alcatel-Lucent Bell Labs, Stuttgart, Germany
 - *Evaluations of LTE Automatic Neighbor Relations (# 85803)*; Anders Dahlén, Arne Johansson, TeliaSonera, Sweden; Fredrik Gunnarsson, Johan Moe, Thomas Rimhagen, Harald Kallin, Ericsson Research, Sweden
- 15.00 – 16.00 **Coffee Break – Poster & Demonstrator Session**
- 16.00 – 17.30 **Session III: Coverage and Capacity Optimisation (Chair: Thomas Kürner, TU Braunschweig)**
- *Potential of intra-LTE, intra-frequency load balancing (# 88108)*; Siegfried Klein, Ingo Karla, Edgar Kuehn, Alcatel-Lucent Bell Labs, Stuttgart, Germany
 - *Cell Outage Compensation in LTE Networks; Algorithms and Performance Assessment (# 78297)*; Mehdi Amirijoo, Ericsson Research, Linköping, Sweden; Ljupco Jorguseski, Remco Litjens, TNO ICT, Delft, The Netherlands; Lars C. Schmelz, Nokia Siemens Networks Research, Munich, Germany
 - *Joint Optimization of Radio Resources in Small and Macro Cell Networks (# 32523)*; Chung Shue Chen, François Baccelli, INRIA-ENS, Paris, France; Laurent Rouillet, Alcatel Lucent Bell Labs, Nozay, France
- 17.30 – 18.00 **Wrap-up and Closing**

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Posters

- *Detection of Sleeping Cells in LTE Networks Using Diffusion Maps (# 15978)*; Fedor Chernogorov, Tapani Ristaniemi, University of Jyväskylä, Finland; Jussi Turkka, Tampere University of Technology, Finland; Amir Averbuch, Tel-Aviv University, Israel
- *Influence of Different Factors on X-Map Estimation in LTE (# 57810)*; Michaela Neuland, Thomas Kürner, TU Braunschweig, Germany; Mehdi Amirijoo, Ericsson Research, Linköping, Sweden
- *Optimization of a Fuzzy Logic Controller for Handover-based Load Balancing (# 26363)*; Pablo Muñoz, Raquel Barco, Isabel de la Bandera, Matías Toril, Salvador Luna Ramírez, University of Málaga, Spain
- *Self-optimisation of admission control and handover parameters in LTE (# 13075)*; Bart Sas, Kathleen Spaey, University of Antwerp – IBBT, Belgium; Irina Balan, University of Ghent – IBBT, Belgium; Kristina Zetterberg, Ericsson Research, Linköping, Sweden; Remco Litjens, TNO ICT, Delft, The Netherlands
- *Self-X Evaluation Model for Wireless Mesh Networks (# 28821)*; Martin Kasparick, Alexander Gladisch, Robil Daher, Martin Krohn, Djamshid Tavangarian, University of Rostock, Germany
- *Towards Self-Organizing Mobility Robustness Optimization in Inter-RAT Scenario (# 36185)*; Ahmed Awada, Bernhard Wegmann, Dirk Rose, Nokia Siemens Networks Research, Munich; Germany; Ingo Viering, Nomor Research GmbH, Munich, Germany; Anja Klein, Technische Universität Darmstadt, Germany
- *Vertical antenna tilt optimization for LTE base stations (# 68836)*; Harald Eckhardt, Siegfried Klein, Markus Gruber, Alcatel-Lucent Bell Labs, Stuttgart, Germany

Demonstrators

- *An Experimental System for SON Function Coordination (# 99492)*; Tobias Bandh, TU München, Germany; Henning Sanneck, Nokia Siemens Networks Research, Munich, Germany; Raphael Romeikat, University of Augsburg, Germany
- *Radio Channel Degradation Detection and Diagnosis Based on Statistical Analysis (# 39489)*; Szabolcs Nováczki, Péter Szilágyi, Nokia Siemens Networks Research, Budapest, Hungary
- *Self-Configuration in LTE Radio Networks: Automatic generation of eNodeB parameters (# 66681)*; Andreas Eisenblätter, Ulrich Türke, Atesio GmbH, Berlin, Germany; Lars Christoph Schmelz, Nokia Siemens Networks Research, Munich, Germany

Note:

The workshop schedule and the sequence of presentations may be subject to change due to organisational issues

Workshop Organisers:

Fredrik Gunnarsson, Ericsson Research, Linköping, Sweden

Prof. Dr. Thomas Kürner, TU Braunschweig, Braunschweig, Germany

Lars Christoph Schmelz, Nokia Siemens Networks Research, Munich, Germany



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