



IEEE ICC 2011 Workshop on Planning and Optimization of Wireless Communication Networks, 9 June, 2011

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The goal of future wireless networks is to provide ubiquitous connections and support high data rate demand. The WiMAX, LTE, and LTE-Advanced standardizations have already progressed toward this direction but still require significant improvements. Network planning and optimization faces many challenges arising from the use of new air interfaces and new technologies (e.g., MIMO, smart antennas, cooperative relay), the mix of voice, video and data traffic, the co-existence of different RATs (Radio Access Technologies), the growing importance of indoor coverage and the paradigm shifts (e.g., femtocells). The future wireless networks cannot operate efficiently, unless these challenges are properly addressed.

This workshop will bring together both the mobile communications industry (operators, telecom vendors, radio network planning and optimization consulting firms and tool producers) and academia to present and discuss the problems, challenges, directions, and state-of-art in the fields of future wireless communication networks deployment, planning and optimization. Topics of interest relating to network planning and optimization and future wireless communications are (but not limited to):

- Automatic UMTS/HSPA/LTE/LTE-A/WiFi/WiMAX radio network planning and optimization methods
- The use of measurements in radio network planning and optimisation
- Indoor network planning and optimization (BBU+RRU, repeaters, DAS, picocells and femtocells)
- Heterogeneous wireless networks (UMTS/HSPA/LTE/WiFi/WiMAX/DVB) simulation, planning and optimization
- Self-configuration, self-optimization and self-healing in LTE and LTE-Advanced networks
- Traffic modeling and real network traffic scenarios

Important Dates:

Paper submission deadline: Oct 15, 2010

Accept/reject notice: Jan 15, 2011

Camera read submission: Feb 15, 2011

Submission Guidelines:

PlanNet accepts only novel, previously unpublished papers. Submissions must include an abstract, five to ten keywords, the e-mail address of the corresponding author and should not exceed **5** pages, including tables and figures (up to **1** extra pages at additional cost) in standard IEEE camera-ready format (double-column, 10-pt font). Submission is via Edas. For EDAS settings, file format is PDF and page size is A4.

PLEASE NOTE: The proceedings of the workshops program will be published as the ICC2011 main conference, and will be also included by **IEEE Digital Library**. To be published in the IEEE ICC 2011 Conference Proceedings and IEEE Xplore, an author of an accepted paper is required to register for the conference at the FULL or LIMITED (member or non-member) rate and must present the paper at the conference. Non-refundable registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. For authors with multiple accepted papers, one FULL or LIMITED registration is valid for up to 3 papers. Accepted papers will be published in the IEEE ICC 2011 Conference Proceedings. Accepted and presented papers will be published in the IEEE ICC 2011 Conference Proceedings and in IEEE Xplore.

Important IEEE Policy Announcement: The IEEE reserves the right to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference. Papers are reviewed on the basis that they do not contain plagiarised material and have not been submitted to any other conference at the same time (double submission). These matters are taken very seriously and the IEEE Communications society will take action against any author who has engaged in either practice.