

## CALL FOR PAPERS

### First International Workshop on Optimization and Network Planning (ONPlan 2010)

IWCMC2010, Caen, France, 28 June - 2 July, 2010

<http://www.iwcmc.com/>

#### Scope and Motivation

Next generation networks are expected to provide diverse services with enhanced QoS (e.g. seamless coverage and higher data rate) at affordable cost. Network planning and optimization will face many new challenges arising from increased network scale, diverse services with different levels of QoS requirements, coexistence of heterogeneous networks, adoption of new communication and networking technologies. The purpose of ONPlan is to bring together researchers and engineers addressing all aspects of challenges in the network planning and optimization. ONPlan seeks papers dealing with architectural issues, theoretical and simulation studies, new paradigms, enabling technologies and practical implementations for network planning and optimization.

#### Topics of interests

The areas of interest for ONPlan include, but are not limited to, the following:

- Single-technology radio networks
  - Architecture & services (B3G/4G, WiMAX, WRAN, WPAN, VANET)
  - Radio resource management
  - Quality of services provisioning and energy efficiency
  - Cross-layer, scalability, automation and self-healing
- Heterogeneous networks
  - Multi-vendor, multi-technology radio networks
  - Coexistence and cooperation of radio networks
  - Convergent fixed and mobile networks and services
  - Scalability, reliability and robustness
- Indoor radio network
  - Repeaters, picocells and femtocells
  - Automatic configuration algorithms of femtocells
  - Resource, interference and mobility management in femto/macroc cell
- Networks with advanced technologies
  - Smart antennas and distributed antenna systems
  - Cooperative relaying in UMTS/HSPA/LTE and WiMAX networks
  - Cognitive radio, dynamic frequency allocation
  - Network coding, delay tolerant network
- System level performance evaluation
  - Traffic modelling and real network traffic scenarios
  - System modelling and simulation
  - Testbed and experimental platform
  - Integration of simulation and field measurement

#### Important Dates

Paper Submission Deadline: **December 15 2009**

Paper Acceptance Notification: **March 15 2010**

Camera-ready Paper Submissions: **April 1 2010**

#### Submission Guidelines

Prospective authors are invited to submit original papers not exceeding six pages, including text, figures, tables, and references. Papers must be written in English and in standard IEEE conference format. All submissions will be handled electronically through the EDAS system (<http://edas.info>), and must be in PDF format.

Accepted papers will be published in the conference proceedings to be included in ACM/IEEE Digital Library (pending approval). There will be one best paper award for ONPlan2010. Selected papers will be further considered for possible publication in two special issues of Wiley Journal of Wireless Communications and Mobile Computing (WCMC) and International Journal of Autonomous and Adaptive Communications Systems (IJAAACS).

#### ONPlan Chairs

Dr Jianhua He  
Swansea University, UK.  
Email: [j.he@swansea.ac.uk](mailto:j.he@swansea.ac.uk)

Dr Hongfei Du  
Bell Laboratories, Canada.  
Email: hongfei.du@ieee.org