VTC2011-Spring
BUDAPEST
Beyond the Generations Game

IEEE   IEEE **VTS**

BeFemt
SEVENTH FRAMEWORK PROGRAMME

Call for Papers
IEEE VTC2011-Spring International Workshop on
Broadband Femtocell Technologies
'Key' to Next Generation of Mobile Internet

Femtocell technologies accelerate the cost effective provision of ubiquitous broadband services by convergence between fixed and wireless broadband. This full day workshop aims to bring together internationally leading academic and industrial perspectives and thinking to highlight and discuss recent progress in femtocell technologies. The list of promising new developments includes cooperative networks of femtocells and extending the classical concept of indoor femtocells to the outdoors, e.g. as fixed relays in macrocells for enhancing coverage and cell-edge capacity or as mobile femtocells in public transports. Self-organising techniques for high capacity and optimum use of transmit power whilst minimising OPEX and simplifying complexity for remote network management are vitally important to cope with expected multiple million femtocells networks.

Scope and Objectives:

In view of current standardization activities in 3GPP and IEEE, changing regulatory landscape and impetus from industrial bodies such as Femto Forum, this workshop focuses on presenting and debating advanced femtocell technologies that have the potential to be considered in future standards such as LTE-A to make the radio access solutions highly efficient with major leapfrog in spectral-efficiency per unit area, while minimizing the transmit power. Specifically, but not exclusively, the workshop proposes to address the following issues:

- Optimisation of Radio Access
- New generation of baseband and radio frequency techniques
- Smart interference management
- Self-configuration and self-optimisation techniques
- Network management and architecture
- Field Trials / Test-beds / Regulatory issues

Important Dates:

Full Papers: **30th November 2010**
Acceptance Notification: 9th January 2011
Final Manuscript: 20th February 2011
Workshop: 15th May 2011

Submission Guidelines:

Papers need to be uploaded to the VTC Trackchair, should be in English, not exceeding 5 double-column pages, and should follow IEEE paper templates available here. Accepted papers will be published in the IEEE Xplorer. They will be presented either orally or by means of a poster.

Organising Committee:

Chair: Thierry Lestable, SAGEMCOM, France
Co-Chairs: Matti Latva-aho, University of Oulu, Finland
           Frank Zdarsky, NEC Europe, Germany

Technical Programme Committee:

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Stefan Kaiser, DOCOMO Eurolabs, Germany
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