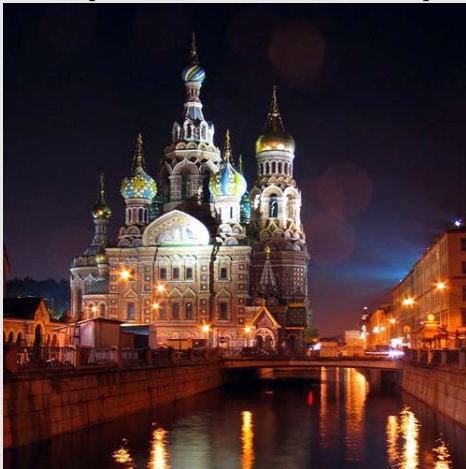


# Call for Papers

## 3<sup>rd</sup> International Workshop on Recent Advances in Broadband Access Networks (*RABAN*)

The rapid proliferation of wireless cellular systems over the last decade has introduced fundamental changes to "anytime, anywhere" Mobile Internet access, as well as posed new challenges for the research community. The next generation of broadband standards, such as **3GPP LTE-Advanced** and **IEEE 802.16m**, target aggressive improvements in all aspects of wireless system design, including system capacity, energy efficiency and quality of service. Promising next generation technologies cover, for example, more advanced antenna technologies on mobile platforms, advanced network topologies, cross-layer and co-operative transmission techniques.



The Workshop aims to bring together the researchers from academia and the experts from industry to address recent advances in the design, modeling, prototyping, implementation, standardization, and deployment of broadband wireless access networks. It is held in conjunction with the 4<sup>th</sup> International Congress on Ultra Modern Telecommunica-

tions and Control Systems (ICUMT), **St. Petersburg, Russia** on **3-5<sup>th</sup> October, 2012**.

**Topics** of the 3<sup>rd</sup> *RABAN* Workshop include, but not limited to, the following:

- ★ *Cross-layer optimization concepts*
- ★ *Energy efficiency and power management*
- ★ *Co-operative techniques and traffic relaying*
- ★ *Multi-access networks and multi-radio terminals*
- ★ *Network cognition and self-configuration*
- ★ *Multi-tier network technologies and architectures*
- ★ *Mobile broadband traffic support*
- ★ *Vehicular networks*
- ★ *Client quality of experience enhancement*
- ★ *Machine-to-machine communications*
- ★ *Interference mitigation approaches*
- ★ *Distributed antenna architectures*
- ★ *Advanced MIMO techniques*
- ★ *Channel estimation techniques and channel models*
- ★ *Spectrum management and regulatory issues*

**Key dates** for the 3<sup>rd</sup> *RABAN* Workshop are:

- |                            |                              |
|----------------------------|------------------------------|
| ▷ <b>15 June 2012</b>      | : Paper submission           |
| ▷ <b>20 August 2012</b>    | : Notification of acceptance |
| ▷ <b>10 September 2012</b> | : Camera-ready version       |

The authors are encouraged to submit full papers describing cutting-edge, state-of-the-art, previously unpublished and complete research, not currently under review by another conference or journal.

Papers in double column **IEEE format** must be submitted electronically via the **EDAS** system (<http://edas.info/N12537>) and should not exceed **8 pages**. As more information becomes available, it will be posted at the 3<sup>rd</sup> *RABAN* Workshop web page (<http://www.cs.tut.fi/RABAN/>). Proceedings of the Workshop will be published in **IEEE Xplore** and indexed in the relevant databases.

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