

Call for Papers

IEEE CoCoNet Workshop 2010

Cooperative and Cognitive Mobile Networks (CoCoNet3)

collocated with

IEEE ICC 2010 in Cape Town, South Africa

23-27 May 2010

Technical sponsorship: IEEE Communications Society

Scope of the Workshop

The aim of the workshop is to bring together a highly qualified group of people with interest in cooperative and cognitive wireless networks. Cooperation and cognition are becoming major subjects in research in the wireless communication community as they have been identified as two of the underlying principles for future wireless communication systems. Cooperation, altruistic or non-altruistic, is the basis to break up the cellular concept and enrich it by multi hop, peer-to-peer, or grid functionalities. The workshop will highlight the newest trends in this emerging area, complementing it with first practical implementations and demonstrations in this field. Besides the technical insights, the workshop will encourage the participants to discuss among each other. The workshop is seeking papers for oral presentations as well as papers which will be presented in poster sessions possibly accompanied with demonstrations or test-beds.

Topics of interest are (but not limited to):

- Architectures of Cooperative Mobile Networks (CMN)
- Cooperative Services
- Self Organizing Peer to Peer Networks
- Network Coding
- Cognitive Principles
- Business Models for Cooperative Networking
- Spectrum Management Policies and Strategies for Cognitive Networks
- Protocol Design
- Social Mobile Networks
- Physical and MAC Layer Issues
- Software Defined Radio
- Peer-to-Peer Technologies
- Cross-layer optimization
- Security in Cooperative Wireless Networks;
- Mobile Cooperative Applications
- Sensor Networks
- Wireless Grids
- Novel Applications for Distributed Resources
- Practical Implementations, Test-beds and Demonstrations.

Submission Guidelines:

IEEE CoCoNet Workshop accepts only novel, previously unpublished papers in the area of Cognitive and Cooperative Wireless Networks. Prospective authors are encouraged to submit a 5-page IEEE conference style paper (including all text, figures, and references) through EDAS submission system (<http://www.edas.info>). (If you have any problems during submission, please contact: ff@es.aau.dk). Accepted papers must be presented at the workshop by one of the authors. The presenter must register for the workshop before the deadline given for author registration. Failure to register before the deadline will result in automatic withdrawal of the paper from the workshop proceedings and the program. Furthermore we encourage to submit full paper description of potential demonstration in the area of

CoCoNet to be presented at the event. Those papers will be presented together with the demonstrator itself in a poster session. All papers (oral session and demonstrations) selected for publication will be published together with IEEE ICC 2010 proceedings and available on IEEE eXplore database.

Important Dates:

- **Workshop:** 23-27 May 2010 (exact date to be fixed soon)
- **Full papers due:** 15th November 2008
- **Acceptance notification:** 10th January 2010
- **Camera ready version:** 10th Feb. 2010

Organizing Committee - Contact Information:

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TPC:

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- Antonella Molinaro, Calabria, Italy
- Christian Bettstetter, University of Klagenfurt, Austria
- Frank Reichert, Agder University, Norway
- Frank H.P. Fitzek, Aalborg University, Denmark
- Geng-Sheng Kuo, BUPT, China
- James Gross, RWTH Aachen, Germany
- Jianfeng Wang, Philips Research North America
- Jianwei Niu, BUAA, China
- Joerg Eberspaecher, TU Munich, Germany
- Joerg Widmer, DoCoMo Lab Europe, Germany
- Joern Ostermann, Leibniz University Hannover, Germany
- Jyrki Huusko, VTT, Finland
- Leonardo Badia, University of Lucca, Italy
- Marcos D. Katz, VTT, Finland
- Matthias Lott, Nokia Siemens Networks, Germany
- Michele Zorzi, University of Padova, Italy
- Muriel Medard, MIT, USA
- Patrick Seeling, USA
- Pavel Loskot, Swansea University, UK
- Qi Zhang, DTU, Denmark
- Stefan Valentin, University of Paderborn, Germany
- Stephan Rein, TU Berlin, Germany
- Yoshito Tobe, Denki University, Japan