

Cooperative and Cognitive Networks Workshop

International Wireless Communications & Mobile Computing Conference

Website: <http://iwcmc.org/2014>

Submission Link: <https://edas.info/newPaper.php?c=14357>

August 4-8, 2014, Hilton Cyprus, Nicosia, Cyprus

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Scope

Cognitive radio (CR) networks have emerged as a promising solution to the spectrum scarcity problem. It can be used to increase the spectrum efficiency through its capabilities to detect and opportunistically access vacant spectrum slots. Cooperative networks have also been recognized as a key technology for improving bandwidth utilization. Although the promises and potentials of cooperative and cognitive networks are apparent, realizing them gives rise to various PHY-, MAC-, and Network-layer challenges that need to be addressed. This workshop seeks original papers describing research contributions that address cognitive and cooperative related issues and challenges, ranging from theory to practice, from architecture to algorithms, and from policy to implementation. Technical papers describing original, previously unpublished research (not currently under review by another conference or journal) that address current challenges related to cognitive/cooperative networks are solicited. Topics include, but are not limited to:

- Performance analysis and information-theoretical approaches
- Protocol design and optimization
- Interference mitigation
- Relaying techniques for Free Space Optical (FSO) networks
- Physical layer security with relaying techniques
- Multimedia support and QoS management
- MIMO techniques for cooperative and cognitive networks
- Spectrum sensing/sharing techniques with outdated CSI
- MAC design and scheduling
- Multi-hop and multi-antenna techniques for cognitive networks
- Cross-layer designs and techniques

- Energy aware protocols and techniques
- Simultaneous information and power transfer techniques for cooperative and cognitive networks
- Security, robustness, and reliability
- Machine learning and adaptive techniques
- Pricing models and regulatory policies
- Experimental prototyping and test-bed evaluation
- Application platforms and middleware

Submission Guidelines

Authors are invited to submit original papers of no more than 6 pages (standard IEEE proceedings, two-column, 10 pt font, etc.), including figures, tables, and references, in PDF format. Accepted papers will be published in the IWCMC14 conference proceedings, which will be included in IEEE Xplore database. Submission implies that at least one of the authors will register and present the paper at the conference. Electronic submission is accepted through the EDAS web site at <https://edas.info/newPaper.php?c=14357>.

Important Dates

Paper submission deadline:	January 20, 2014 (Extended)
Paper acceptance notification:	March 15, 2014
Camera-ready paper submissions:	April 15, 2014
Author registration:	April 15, 2014
Conference date:	August 4-8, 2014

Workshop Chairs

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