

Cooperative and Cognitive Networks Workshop

International Wireless Communications & Mobile Computing Conference

<http://iwcmc.org>

July 5-8, 2011, Bahcesehir University, Istanbul, Turkey

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Scope

Recent advancements in wireless technology enabled cognitive radios to switch from one frequency band to another at minimum cost. Cognitive radios make it possible to realize opportunistic and dynamic spectrum access, thereby increasing spectrum efficiency. 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 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 management (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 Technical papers describing original, previously unpublished research (not currently under review by another conference or journal) that address current challenges related to cognitive/cooperative networks are solicited.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 not limited to:

- Performance characterization and analysis
- Algorithmic and protocol design
- Interference management
- Architectures
- Multimedia support and QoS management
- Application platforms and middleware
- MIMO techniques for cognitive networks
- MAC and multiple access techniques
- Routing techniques
- Cross-layer designs and techniques
- Energy aware protocols and techniques
- Security, robustness, and reliability
- Machine learning and adaptive techniques
- Pricing models and regulatory policies
- Experimental prototyping and test-bed evaluation
- Resource management
- Sensing techniques

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 IWCMC11 conference proceedings, which will be included in IEEE Xplore.

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 <http://edas.info/N9425>

Important Dates

Paper submission deadline:	Dec. 15, 2010
Paper acceptance notification:	March 15, 2011
Camera-ready paper submissions:	April 1, 2011
Author registration:	April 1, 2011
Conference date:	July 5-8, 2011

Workshop Chairs

Prof. Bechir Hamdaoui, Oregon State Univeristy, USA,
Prof. Alagan Anpalagan, Ryerson University., Canada,

Technical Program Committee Members

1. Murat Uysal, University of Waterloo, Canada
2. Min Dong, UOIT, Canada
3. Halim Yanikomeroglu, Carleton University, Canada
4. Long Le, MIT, USA
5. Hyung Yung Kong, University of Ulsan, South Korea
6. Ashok Karmokar, Ryerson University, Canada
7. Nandana Rajatheva, AIT, Thailand
8. Wei Wang, Zhejiang University, China
9. Patick Mitran, University of Waterloo, Canada
10. Illanko Kandasamy, Ryerson University, Canada (
11. Nicopolitidis Petros, Aristotle University of Thessaloniki, Canada
12. Ezzat Kirmani, St. Cloud State University, MN, USA
13. Taeyoon Kim, Samsung Electronics
14. Xiangpen Jing, Sony Electronics