Call for Papers
IEEE Communications Magazine Feature Topic on
Advances in IEEE Standards and Testbeds for Cognitive Radio Networks

Cognitive radio technologies, such as dynamic spectrum access, create huge opportunities for interesting research and development in a wide range of applications. This Feature Topic aims at providing a timely and concise reference of the current activities and findings in the field of cognitive radio networks, dynamic spectrum access, interference prevention, coexistence, and regulatory issues within the IEEE LAN/MAN standards Committee and the IEEE SCC 41. Further, it aims to address the key technical challenges in the design and implementation of the testbed architectures within these technologies. This special issue will focus on recent advances as well as overview papers. Topics of interest include, but are not limited to, the following subject categories:

- Technological overview and status reports on cognitive radio standards;
- PHY, MAC, application, and network layer architectures and protocols for cognitive radio network standards;
- Self-coexistence and inter-system coexistence considerations to promote efficient use of available spectrum;
- Cognitive mitigation techniques to avoid causing harmful interference to protected services;
- Regulatory issues;
- Recommended practices for installation and deployment of cognitive radio network standards;
- Test-bed design for cognitive radio network standards, such as architectures, and representative test cases;
- Implementation and deployment experiences

Submission Guidelines

Articles should be tutorial in nature and written in a style comprehensible to readers outside the specialty of the article. Authors must follow the magazine's guidelines for preparation of the manuscript. Articles should have no more than 4,500 words, no more than 6 tables/figures, and no more than 15 references. Complete guidelines for prospective authors can be found at www.comsoc.org/pubs/commag/sub_guidelines.html. It is very important to note that the IEEE Communications Magazine strongly limits mathematical content. Authors must therefore follow a style that keeps such content to a minimum, as specified in the guidelines, and strive for a tutorial exposition of the problems and their solutions. All articles to be considered for publication must be submitted through the IEEE Manuscript Central (http://commag-ieee.manuscriptcentral.com).

Schedules

Manuscript Due:	15 January, 2010	Acceptance Notification:	1 April, 2010
Final Revised Manuscript Due:	15 April, 2010	Publication Date:	August, 2010

Guest Editors

Edward Au	Dave Cavalcanti,	Ye (Geoffrey) Li
Huawei Technologies	Philips Research North America	Georgia Institute of Technology
(edwardau@huawei.com)	(dave.cavalcanti.philips.com)	(liye@ece.gatech.edu)

Winston Caldwell	Khaled Ben Letiaef
News Corporation: Fox Technology Group	Hong Kong University of Science and Technology
(winston.caldwell@fox.com)	(eekhaled@ece.ust.hk)