



#### Guest Editors:

Prof. Hsiao Hwa Chen  
National Sun Yat-Sen University,  
Taiwan  
Email: hshwchen@ieee.org

Prof. Symeon Papavassiliou  
National Technical University of  
Athens, Greece  
Email: papavass@mail.ntua.gr

Dr. Lingyang Song  
UniK, University of Oslo, Norway  
Email: lingyang@unik.no

Dr. Yan Zhang  
Simula Research Laboratory, Norway  
Email: yanzhang@ieee.org

#### Important Dates:

Paper submission:

**01 April, 2008**

Acceptance notification:

**01 July, 2008**

Final papers:

**01 August, 2008**

Publication:

**Fall 2008**

#### Submission Guideline:

All manuscripts and any supplementary material should be submitted through Elsevier Editorial System (EES). The authors must select "Multicarrier Comm-Zhang" when they reach the "Article Type" step in the submission process. The EES website is located at <http://ees.elsevier.com/comcom/>.

## CALL FOR PAPERS

### Special Issue of Computer Communications on *Adaptive Multicarrier Communications and Networks*

<http://www.elsevier.com/locate/comcom>

#### Scope

Multicarrier communications is a promising technique to deliver high data rate and combat delay spread over fading channel. OFDM-based multicarrier communications is used in the standards IEEE 802.11 WirelessLAN, IEEE 802.16 WirelessMAN, and 3GPP-LTE Group 4G. Adaptability is an inherent advantage of multicarrier communication systems. It can be either implemented in each layer in the protocol stack or realized through a cross-layer approach. The essential self-x attributes, i.e. self-configuration, self-management, self-healing, in enabling autonomic adaptability are in the early stage of research. In addition, there are a number of emerging technical, economical, and regulatory challenges when the multicarrier system is co-operating with unlicensed systems via a cognitive radio paradigm. This special issue is devoted to exploring how adaptive capability is employed from physical to network and application layers in multicarrier communications, networks, systems, and standards. Authors are invited to submit technical manuscripts reporting recent developments in the theme of the special issue. Topics include but are not limited to:

- Adaptive coding and modulation
- Adaptive signal processing techniques
- Multicarrier CDMA/OFDMA
- Multiuser interference in cellular systems
- Self-configuration, self-management, and self-healing
- Autonomic architectures and protocols
- Cognitive and adaptive systems
- Security and privacy management
- Resource, Mobility and QoS provisioning
- Cross-layer optimization
- MAC and Network layer management
- Adaptive multimedia transmission
- Cooperation/Game theory for multiuser communications
- Network reliability, dependability, and survivability
- Network modeling and performance analysis
- Multicarrier communications in Broadband Wireless Access, e.g. Cellular and WiMAX
- Testbed, experiment, implementation, and applications

#### Submission Format:

The submitted papers must be written in English and describe original research which is not published nor currently under review by other journals or conferences. Author guidelines for preparation of manuscript can be found at <http://www.elsevier.com/locate/comcom>. For more information, please contact the guest editors or Co-Editor-in-Chief, Mohammed Atiqzaman (atiq@ou.edu)