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### Special Issue on Advances in Wireless Communications

There has been a tremendous growth of demand in the high-speed multimedia communication services over the wireless networks, which boosted up the interest in the fundamental as well as applied research on the components and algorithms of wireless communication systems. However, there are still lots of challenges in the modulation and coding, channel characterization, adaptive antenna design, multiple access techniques, noise and interference elimination, receiver equalization, capacity enhancement, quality of service, and similar other areas of research. Digital signal processing techniques are also getting important role in the wireless systems for different applications. The objective of this special issue is to bring together the state-of-the-art research contributions and developments that address the various critical issues in wireless communications and applications.

#### Topics:

Topics of interest for the special issue of the Journal of Communications include, but are not limited to:

- Modulation and coding for wireless channels
- Multiple access techniques
- Antenna systems for wireless systems
- Multiple-input and multiple-output technology
- Channel modeling and characterization
- Diversity and equalization techniques
- Broadband wireless communications
- Multiuser detection
- Detection and estimation
- Noise and interference
- Network architecture and protocols
- Quality of service
- Security and privacy
- Resource management
- Wireless sensor networks
- Digital signal processing for wireless applications
- Location estimation
- Optical wireless communications
- Multimedia communications over wireless
- Vehicular networks

#### Important Dates:

Submission Deadline: January 31, 2010  
Review Result Notification: March 25, 2010  
Final Manuscript Due: April 15, 2010  
Acceptance Notification: May 5, 2010  
Tentative Publication Date: 3<sup>rd</sup> Quarter, 2010

#### Submission:

Prospective authors should submit high quality and original contributions that have not appeared, nor are under consideration, in any other journals. Submissions should follow the guidelines of Journal of Communications, which can be found at: <http://www.academypublisher.com/jcm/forauthors.html>.

Manuscripts should be submitted electronically to the corresponding Guest Editor, M. A. Karim at [mkarim@odu.edu](mailto:mkarim@odu.edu).

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