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**Special Issue on  
Protocol Design and Performance Optimization of Wireless Mesh Networks**

**Scope:**

Wireless mesh networks (WMNs) are becoming promising technologies for broadband wireless access in the context of home networking, enterprise networking, or community networking, which have the characteristics of dynamic self-organization, self-configuration, self-healing, easy maintenance, high scalability and reliable services. Despite recent advances, many research issues remain in the design of all layers of the protocol stack of WMNs. Multi-channel, multi-radio and multi-antenna have brought new challenges in the design of physical, MAC, and routing protocols. New application scenarios, such as office, mobile service, real-time traffic and rural area, are urging researchers to address enhanced quality-of-service (QoS) support and various security issues in the design of different protocol layers for WMNs.

In this special issue, we solicit original work in all areas of WMNs. In particular, we seek original work on identifying new research and development challenges and developing new techniques and algorithms in protocol design and performance optimization in WMNs. Specific topics include, but not limited to, the following:

- Routing and Network Protocols of WMNs
- MAC Protocols of WMNs
- Physical Layer Design of WMNs
- Cross Layer Design of WMNs
- Energy Saving and Power Control Protocols of WMNs
- QoS Provisioning of WMNs
- Security and Privacy Issues of WMNs
- Resource Management of WMNs
- Performance Evaluation and Modeling of WMNs
- Multimedia over WMNs
- Test-bed and Prototype Implementation of WMNs

**Submission Details:**

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 Networks, which can be found at: <http://www.academypublisher.com/jnw/forauthors.html>.

Manuscripts should be submitted electronically to the corresponding Guest Editor, Prof. Yuhang Yang at [yhyangsjtu@gmail.com](mailto:yhyangsjtu@gmail.com). For further questions or inquiries, please contact the corresponding Guest Editor.

**Important Dates:**

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