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SPECIAL ISSUE ON
Future Wireless Internet Technology and its Applications

Overview:

In recent years, the rapid evolution of wireless communications and wireless networking technologies has made wireless Internet become a reality. The trend has been much augmented by the ever-increasing popularity of the latest smart phones and devices, and the availability of Internet access through WiFi, hotspot and cellular data. People are now able to communicate and connect with each other when on the move. In future, the wireless Internet may consist of all types of wireless networks and will connect a large number of users and huge number of devices. There is a strong need to reflect the technology advances in different areas in wireless networks, ranging from medium access control protocol design, channel assignments, resource allocation, to routing and data forwarding, and to the overall system level design issues for mobility management on the Internet.

This special issue solicits high-quality original research papers on future wireless Internet and its applications. Prospective authors are invited to submit original manuscripts on topics including, but not limited to:

- Convergence and interworking of heterogeneous wireless networks,
- Next generation mobile Internet services and applications
- Clean-slate wireless Internet architecture,
- QoS provisioning over Multimedia wireless networks
- Interaction among PHY/MAC, routing, and congestion control,
- PHY-aware wireless scheduling,
- Multiple access technology (OFDMA, CDMA, TDMA, and NOMA),
- Internet-of-Things (IoT)
- WLANs, WiMAX, satellite, 4G, 5G and Beyond,
- QoS management and traffic modeling,
- Wireless sensor, ad hoc, and mesh networks,
- Cooperative and relay networks
- Vehicular ad hoc networks (VANET),
- Context-aware mobile network,
- Wireless body area networks (WBANs),
- Security, privacy, and dependability issues,
- Testbeds and simulation tools,
- Middleware, operating system, and programming languages,
- Green wireless network architectures and communication protocols,
- Network planning and optimization for green wireless networking

Important Dates

- Invitation of extended paper submission: January 1, 2018
- Extended manuscript submission deadline: February 1, 2018

- Notification of acceptance: March 1, 2018
- Submission of final revised paper: March 15, 2018
- Publication of special issue (tentative): May – June, 2018

Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. Extended version of the final published WiCON'17 conference paper should be submitted on-line through <http://www.editorialmanager.com/mone/>. A PDF version of the submitted manuscript should also be emailed to the Guest Editors at the following email address: licheng@mun.ca.

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