Call for Papers

------- Special Section on Antenna and Propagation Technologies Contributing to Realization of Next Generation Wireless Systems -------

The IEICE Transactions on Communications announces that it will publish a special section entitled “Special Section on Antenna and Propagation Technologies Contributing to Realization of Next Generation Wireless Systems” in the February 2017 issue.

Since 5G (fifth generation) mobile communication systems are expected to offer a dramatically high system capacity, the antenna technology based on the non-conventional requirements and propagation technology considering the new systems are actively studied. Moreover, a tremendous number of devices will communicate each other at the same time for IoT (Internet-of-Things) / M2M (Machine-to-Machine) applications, and this gives a new viewpoint to the studies on the antenna and propagation. Especially, the antenna and propagation technologies suitable for resolving the issues, such as a spectral resource and energy consumption, are remarkably investigated. With respect to this current trend, this special section focuses on the antennas, propagation, and antenna related technologies for the next generation wireless systems. Furthermore, the special section widely seeks for the paper submissions with the state-of-art technology, aiming to share the trends and further development of this field. The special section will be issued in February 2017 to promote the further investigations of the antennas -and-propagation related research and development. The authors related to this field are strongly encouraged to submit their original research papers.

1. Scope
This special section aims at timely dissemination of research in these areas. Possible topics include, but are not limited to:

**Antennas**
- Miniaturized antennas for mobile handsets
- Antennas for base stations
- Active and integrated antennas
- Reconfigurable antennas
- Body-centric antennas
- RFID antennas
- Millimeter wave antennas
- Reflect arrays and transmit arrays

**Propagation**
- Propagation theory and measurements
- Outdoor and indoor propagation
- Millimeter wave propagation
- M2M propagation
- Propagation for multiuser/cooperative systems
- Other related topics

**Antenna System**
- Diversity antennas
- MIMO antennas
- Massive MIMO systems
- Body area propagation
- DOA estimation
- Short range communication
- Other related topics

2. Submission Instructions
The standard number of pages is 8. The page charges are considerably higher for extra pages. Manuscripts should be prepared according to the guideline in the “Information for Authors.” The latest version is available at the web site, http://www.ieice.org/eng/shiori/mokuji_cs.html. The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for regular issues (60 days) because of the tight review schedule.

This special section will accept papers only by electronic submission. Submit a manuscript and electronic source files (LaTeX/Word files, figures, authors’ photos and biographies) via the IEICE Web site https://review.ieice.org/regist regist_baseinfo_e.aspx by May 20, 2016(JST). Authors should choose the Antenna and Propagation Technologies Contributing to Realization of Next Generation Wireless Systems as a "Journal/Section" on the online screen. Do not choose [Regular EB].

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