

## Call for Papers

# ----- Special Section on New Era of Satellite Communication / Broadcasting / Application Technologies -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on New era of Satellite Communication/Broadcasting/Application Technologies" in the October 2020 issue.

Satellite communications have been mainly used for disaster-relief communications, backup communications and/or mobile communications on maritime ships and airplanes. Recently, due to remarkable technology progress on both satellite and terrestrial stations, HTS (High Throughput Satellite) systems consisting hundreds of multi-beams and/or thousands of small satellites have started to provide broadband services for earth stations in motions and as backhaul for cellular phone. On the other hand, as for satellite broadcasting, 4K/8K special technologies have been studied so as to be standardized. Its TV services will be widely spread all over the Japan toward 2020. Further, these developed technologies are applied to many other use for such as UAS (Unmanned Aircraft System), HAPS (High Altitude Platform System), Monitoring system using AIS (Automatic Identification System) and so forth.

This special section will provide an opportunity to summarize the recent research output on satellite communication/broadcasting/application technologies. Your contribution to this special section would be greatly appreciated.

## 1. Scope

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

- Satellite communications (fixed-satellite communications, mobile satellite communications, inter-satellite communications, optical satellite communications, deep space communications, HTS, MEO, LEO)
- Satellite broadcasting (BS, mobile broadcasting, 4K/8K)
- Satellite applications (Unmanned aircraft communications system, HAPS, AIS, Positioning)
- Others on the elementary technologies, the system/earth station technologies, the onboard technologies and the applications concerning the above 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](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](https://review.ieice.org/regist/regist_baseinfo_e.aspx) by **October 1, 2019 (JST)**. Authors should choose the [Special-CB] Special Section on Satellite Communication/Broadcasting/Application Technologies as a "Journal/Section" on the online screen. Do not choose [Regular EB].

### Contact point:

Shinobu Nanba

KDDI Research, Inc. TEL: 080-5985-6313 FAX:049-278-7510

Tel: +81-80-5985-6313, Fax: +81-49-278-7510, E-mail: [eb-sat2020@mail.ieice.org](mailto:eb-sat2020@mail.ieice.org)

## 3. Special Section Editorial Committee

**Guest Editor-in-Chief:** Fumihiro Yamashita (NTT)

**Guest Editors:** Shinobu Nanba (KDDI Research, Inc.), Kazuto Yano(ATR)

**Guest Associate Editors:** Takahiro Aoyagi (Tokyo Tech. Univ.), Tetsushi Ikegami (Meiji Univ.), Hiroyasu Ishikawa (Nihon Univ.), Masato Saito (Ryukyu Univ.), Taro Suzuki (Waseda Univ.), Yoshinori Suzuki (ATR), Shigenori Tani (Mitsubishi Electric), Hitoshi Nakagawa (B-SAT), Kazunori Yokohata (NHK), Takashi Takahashi (NICT), Yoshiyuki Fujino (Toyo Univ.), Kousuke Yamazaki (KDDI Research, Inc.)

\* Authors must agree to the "Copyright Transfer and Page Charge Agreement" via electronic submission.

\* Upon accepted for publication, all authors, including authors of invited papers, should pay the page charges covering the partial cost of publication around April 2020. For detailed information, please visit [http://www.ieice.org/eng/shiori/page2\\_cs.html#5](http://www.ieice.org/eng/shiori/page2_cs.html#5)

\* At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception. We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit <http://www.ieice.org/eng/member/OM-appli.html>

\* The accepted papers will be published online soon after notification of acceptance on the web site of Transactions Online. For detailed information, please visit [http://www.ieice.org/eng/shiori/page2\\_cs.html#8](http://www.ieice.org/eng/shiori/page2_cs.html#8)