

----- Special Section on Healthcare, Medical Information and Communication Technology for Safe and Secure Society -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Healthcare, Medical Information and Communication Technology for Safe and Secure Society" in **June 2019**.

The cyber-physical systems bring new societies with a rapid development of the Information and Communication Technology (ICT), and there are several efforts to fit such societies in the world. The trials are projected as the Industry 4.0 in Germany, the Industrial Internet in the US, and the Made in China 2025. Japan has a project named the Society 5.0 which aims to construct a safe and secure society. One of the big issues in the Society 5.0 is an extension of healthy-life expectancy. Then, healthcare / medical innovation applying ICT is highly desired. Furthermore, healthcare / medical ICT provides a new paradigm to research and development areas due to innovative integration between medicine and engineering. Healthcare / medical ICT has been widely recognized as an emerging area in a biomedical engineering research field. For achieving safe and secure society through dependable healthcare / medical services, it is necessary to rapidly develop fundamental core technologies of the healthcare / medical ICT from various aspects such as sensors, devices, big data, communication networks, robotics and regulatory science.

To bring the safe and secure society with healthcare / medical ICT research field, the special section is planned to publish papers on the related fields.

1. Scope

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

- devices and systems for healthcare / medical ICT (wireless sensor network, communication system, antenna, etc.)
- big data management for healthcare / medical system (data aggregation, management and application, etc.)
- robotics and actuator technologies for healthcare / medical equipment (remote control, communication, location, etc.)
- regulatory science for healthcare / medical device authentication

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 **July 2, 2018 (JST)**. Authors should choose the Healthcare, Medical Information and Communication Technology for Safe and Secure Society as a "Journal/Section" on the online screen. Do not choose [Regular EB].

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3. Special Section Editorial Committee

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