

Call for Papers

----- Joint Special Section on Opto-electronics and Communications for Future Optical Network -----

The IEICE Transactions on Communications and the IEICE Transactions on Electronics announce that they will publish a special section entitled "Joint Special Section on Opto-electronics and Communications for Future Optical Network" in the **November 2023** issue.

This Special Section will be published in conjunction with the 27th Optoelectronics and Communications Conference (OECC 2022), which was held in Toyama, Japan on July 3 – July 6, 2022, cosponsored by IEICE Communications Society and IEICE Electronics Society and co-organized with International Conference on Photonics in Switching and Computing 2022 (PSC2022).

The purpose of this Special Section is to present a collection of original papers that give an overview of current progress of research, development, and applications of optical communication systems and optoelectronics.

Submission of the paper presented at OECC/PSC 2022 is strongly encouraged. However, presentation of the paper at OECC/PSC 2022 is not mandatory for its inclusion in this Special Section. Presentation at the Conference does not ensure the acceptance of the paper. Note that the regular reviewing process will be performed for this Special Section.

1. Scope

The major topics of interest include:

- Core/Access/Data Center Networks and Subsystems (O1)
- Transmission Systems and Subsystems (O2)
- Optical Fibers, Cables and Fiber Devices (O3)
- Optical Active Devices and Modules (O4)
- Optical Passive Devices and Modules (O5)
- Photonic Switching Devices, Systems, and Networks (P1)
- Photonics for Computing and Deep Learning Applications (P2)

Papers in categories O1, O2, O3, P1 and P2 should be submitted to The IEICE Transactions on Communications, and papers in categories O4 and O5 to The IEICE Transactions on Electronics.

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, https://www.ieice.org/eng/shiori/mokuji_cs.html (IEICE Transactions on Communications), https://www.ieice.org/eng/shiori/mokuji_es.html (IEICE Transactions on Electronics). 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 (TeX/Word files, figures, authors' photos and biographies) via the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx **by January 6, 2023 (Japan Time) for papers in all categories**. Considering the technical field of the paper, authors should choose either Opto-electronics and Communications for Future Optical Network of IEICE Transactions on Communications (**Special-OB**) or Opto-electronics and Communications for Future Optical Network of IEICE Transactions on Electronics (**Special-OC**) as a "Journal / Section" on the online screen. Do not choose [Regular-EB] or [Regular-EC].

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3. Special Section Editorial Committee

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- * The accepted papers will be published online soon on the website of Transactions Online after the payment of article processing charges been completed. For detailed information, please visit https://www.ieice.org/eng/shiori/page2_es.html#8
- * If there are non-members among the authors, we recommend that the authors take this opportunity to join the IEICE. For detailed information on the IEICE Membership Application, please visit the webpage, https://www.ieice.org/eng_r/join/individual_member.html.
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- * IEICE Trans. on Electronics requires authors to cite 30 or more references for full paper and 15 or more references for brief paper.
- * All papers published in or after August 2023 issue of the IEICE Transactions on Electronics are opened to all readers in the world through J-STAGE.