

Call for Papers

Special Section on

Educational Technologies for Sustainable and Expansive Learning

submit by **March 21, 2022**, published in **February 2023**

The Institute of Electronics, Information, and Communication Engineers (IEICE) Transactions on Information and Systems will publish a special section entitled "Educational Technologies for Sustainable and Expansive Learning" in February 2023.

Due to the COVID-19 pandemic, society has been changing dramatically, and we have become more reliant on ICT (Information and Communication Technology) to perform daily activities. For example, in-person learning opportunities in universities and schools were limited. Thus, various types of online learning have been implemented. Consequently, educational technology is receiving increasing attention. At the same time, advances in ICT, such as AI (Artificial Intelligence), VR/AR/MR (Virtual/Augmented/Mixed Reality), IoT (Internet of Things), and 5G (5th generation mobile communication system) continue to transform society. In other words, digital transformation for learning/education is indispensable. We must overcome unexpected difficult situations (e.g., natural disasters and global pandemics) and realize sustainable and expansive learning; as it is an urgent global mission.

From this social background, the IEICE Technical Committee on Educational Technology launched the special section, which widely covers the field of educational technologies and calls for papers and letters on cutting-edge research, development, and practice. All submitted papers will be subject to the same review process as papers accepted for publication in the regular issues.

We look forward to submissions from many people involved in educational technology.

1. Scope

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

- Educational Technology Fundamentals: cognitive science, knowledge engineering, ergonomics, behavioral science, individual education, group/collaborative learning, learning/teaching models, etc.
- Learning/(education) support systems: e-learning, interactive learning environment, intelligent tutoring system, multimedia application, computer networks, distance learning, learning environments, learning analytics, human-computer interfaces, teleconferencing, robotics, AI, IoT, VR/AR/MR, etc.
- Instructional design and practice: learning material structure analysis, curriculum development, test systems, data analysis, engineering education, information education, teacher/researcher training, human resource development, Kansei education, university/college education, primary and secondary education, special education, nursing education, welfare education, lifelong learning, etc.

2. Submission Instructions

- A manuscript should be prepared according to the guideline given in "The Information for Authors" (https://www.ieice.org/eng/shiori/mokuji_iss.html). We encourage the authors to use the IEICE Style File (<https://www.ieice.org/ftp/index-e.html>). The preferred length of the manuscript is 8 pages for a PAPER and 2 pages for a LETTER with the format determined by the IEICE Style File.
- Submit the manuscript through the IEICE Web site (https://review.ieice.org/regist/regist_baseinfo_e.aspx). Choose "[Special-ET] Educational Technology" in the menu of "Journal/Section" in the submission page. Do not choose "[Regular-ED] Information and Systems" or other special sections.
- Authors must agree to the "Copyright Transfer, Article Processing Charge Agreement, Notices from the IEICE, and Privacy Policy" via electronic submission.
- Submission deadline of the manuscript is March 21, 2022 (JST). (No deadline extension)

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3. Notice to the Authors

- **Upon accepted for publication, all authors, including authors of invited papers, should pay the page charges covering partial cost of publication around October 2022. If payment is not completed by 15 November, 2022 your manuscript will be handled as rejection.**
- The standard period of 60 days between the notification (of conditional accept) and the second submission can be shortened according as the review schedule.
- 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 web-page, https://www.ieice.org/eng_r/join/individual_member.html. If all authors are non-members, the article processing charge for non-members will be applied, except for invited papers.
- Open Access Publishing: Since January 2017, all papers of the IEICE Transactions on Information and Systems stored in J-STAGE that include all papers published from January 2017 have been opened to all reader in the world through J-STAGE. Open Access Option for many transactions in IEICE will not be applied to papers in January 2020 issue and following issues of the IEICE Transactions on Information and Systems. (Open Access Publishing will be continued after January 2020.) For details on Open Access Publishing and Open Access Options, please carefully refer to "The Information for Authors" (https://www.ieice.org/eng/shiori/mokuji_iss.html). Note that these rules may be changed without notice.
- In the IEICE Japanese Transaction-D, a special issue sharing this special section's theme will be launched. Authors will be able to submit

papers and letters written in Japanese to the special issue.

4. Special Section Editorial Committee

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