

Call for Papers: Transforming Education Through AI: The Power of Large Language Models

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With the rapid advancements of artificial intelligence (AI), large language models (LLMs) are becoming transformative tools in education, offering new opportunities to enhance teaching, personalize learning, and support instruction process. LLMs, equipped with the capability to understand, generate, and respond to human languages, are revolutionizing how students interact with educational content, and how educators create tailored learning experiences.

The main objective of this special issue is to bring together innovative research and practical insights from scholars, educators, and technology developers focusing on integrating LLMs in educational settings. This special issue aims at advancing the understanding of how LLMs can enhance traditional and online learning environments, promote students' success, and support educators in delivering effective and personalized instruction.

We invite authors to submit original research to this special issue in the following potential topics. The topics will include, but will not be limited to:

- Technologies for constructing LLMs for education
- Intelligent educational agents for enhanced learning
- Personalized learning technologies and intelligent tutoring systems
- Applications of LLMs in education
- Curriculum and content generation using AI
- Data-driven insights and educational analytics
- Enhancing student engagement through AI-driven tools
- Ethical considerations and challenges in AI-based education
- Case studies on AI integration in K-12, higher education, and vocational training
- Teacher support and professional development with AI assistance
- Policy implications for AI in education
- Other related topics on AI and education innovation

Important Dates

- Manuscript submission open date: November 1st, 2024
- Manuscript submission deadline: December 31st, 2024
- Publication date: March 31st, 2025

Guest Editors

- Fei Wu, Zhejiang University, China, wufei@zju.edu.cn
- Yan Li, Zhejiang University, China, yanli@zju.edu.cn

Executive Associate Guest Editors

- Jingyuan Chen, Zhejiang University, China
- Zhenya Huang, University of Science and Technology of China, China

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Submission Instructions

Frontiers of Digital Education is an international academic journal, aiming at reflecting the dynamic trends in digital education policies, academic frontiers, and research hotspots from various countries. The journal explores key issues and challenges in digital education and technological innovation, establishing a distinctive platform for the dissemination and communication of significant achievements in digital education. This journal is dedicated to the contribution of the advancement of digital education.

The submission platform Editorial Manager® at <https://www.editorialmanager.com/fode/> is now available for receiving submissions to this special issue. Please refer to the submission guidelines at <https://www.springer.com/journal/44366/submission-guidelines> to prepare your manuscript.

When submitting a manuscript via Editorial Manager®, under the Additional Information tab, “Are you submitting this manuscript to a Thematic Series?”, answer “Yes” and select the Thematic Series “Transforming Education Through AI: The Power of Large Language Models.”

All submissions deemed suitable to be sent for peer review will be reviewed by at least two independent reviewers. We sincerely invite you to submit your original work to this special issue and are looking forward to sharing your outstanding research outcomes with the peers around the world.

The submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. All papers are refereed through a peer review process. For more information, please visit <http://link.springer.com/journal/44366>.

Highlights of the Journal

- Peer review period: 1 month
- Publication: Online (first) publishing and printing, free access
- From acceptance to publication (currently): < 2 months
- Frequency of publication: Quarterly
- Charge: No page charges, no page limitation

Questions regarding the special issue

Please direct any questions regarding the special issue to Professor Fei Wu (wufei@zju.edu.cn) or the editorial office (fde@hep.com.cn).