

Special Issue

Transforming Education with Generative AI, Emerging Technologies, and Critical Digital Competence

Message from the Guest Editors

The rapid advancement of Generative Artificial Intelligence (GenAI) and emerging digital technologies is transforming educational systems worldwide.

Technologies such as generative AI, extended reality (XR), immersive environments, multimodal learning systems, learning analytics, and intelligent educational platforms are reshaping teaching, learning, assessment, communication, and knowledge creation across formal and informal educational contexts.

Beyond the technical use of digital tools, current educational challenges require individuals to critically evaluate information, interact ethically and responsibly with AI systems, understand algorithmic influences, address issues related to misinformation and data privacy, and promote inclusive and human-centered digital practices.

This Special Issue aims to explore how Generative AI and emerging technologies are driving educational transformation while fostering critical digital competence and innovative pedagogical approaches. We welcome contributions addressing the opportunities, challenges, ethical implications, and educational impact of intelligent and multimodal technologies in diverse educational settings.

Guest Editors

Prof. Dr. Carmen Fernández-Morante

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About the Journal

Message from the Editor-in-Chief

Towards the end of 2018, I was approached to be the new Editor-in-Chief for the *Multimodal Technologies and Interaction (MTI)* journal. I was honored to be considered and happily accepted the role, starting in January 2019.

MTI is a new journal, and since starting in 2017, has published over 800 papers, with the number of publications continuing to grow. As Editor-in-Chief, I would like to continue increasing the number of high-quality papers that we publish, and in addition, work towards improving the journal in other ways, such as getting the journal listed on ISI, establishing an impact factor, and increasing our social media presence. I would also like to better engage with the research community, including bringing some new members onto the Editorial Board, focusing the journal on the latest areas of interest, marketing at leading conferences and, most importantly, getting feedback from our readers.

Editor-in-Chief

Prof. Dr. Mark Billinghurst

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.8 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2026).