

Special Issue

Cognitive Horizons: Exploring the Synergy of Artificial Intelligence in E-learning Environments

Message from the Guest Editors

This Special Issue delves into the dynamic intersection of artificial intelligence (AI) and e-learning, seeking to unravel the transformative potential that emerges when cutting-edge technologies converge with educational paradigms. As the digital landscape continues to evolve, AI has emerged as a catalyst for redefining the future of education. This collection of articles explores the multifaceted impact of AI on various facets of e-learning, ranging from personalized learning experiences and intelligent tutoring systems to adaptive assessment methodologies. Contributions within this Special Issue span a spectrum of research domains, including natural language processing, machine learning, and computer vision, illuminating the innovative ways in which AI augments instructional design and learner engagement. The ethical dimensions of AI in e-learning are also scrutinized, with a focus on ensuring equitable access, transparency, and the responsible use of learner data.

Guest Editors

Prof. Dr. Faouzi Alaya Cheikh

Prof. Rune Hjelsvold

Dr. Ali Shariq Imran

Prof. Dr. Ibrahim A. Hameed

Deadline for manuscript submissions

closed (15 July 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/192343

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).