

Special Issue

The Role of Artificial Intelligence in Enhancing Human-Computer Interaction

Message from the Guest Editors

We are pleased to announce this Special Issue on “The Role of Artificial Intelligence in Enhancing Human-Computer Interaction”. This Special Issue examines how artificial intelligence advances human-computer interaction, focusing on usability, accessibility, transparency, ethics, and inclusion. Our objective is to curate rigorous, human-centered research that demonstrates measurable improvements in interaction quality, safety, and equity. **Scope and Focus:** This Special Issue invites the submission of contributions that present methods, systems, and evaluations showing how AI enhances interaction while addressing trust, privacy, fairness, and inclusivity. Topics of interest include, but are not limited to, the following:

- Intelligent user interfaces; conversational and multimodal systems.
- User modeling, personalization, and coadaptive interfaces.
- Affective and context-aware computing for responsive UX.
- Generative AI for design, prototyping, and co-creation; AR/VR/MR interaction.
- Evaluation methods, datasets, benchmarks, and tools for reproducible HCI.

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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 guestedited by leading experts in selected topics of interest.

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