

Special Issue

Human-Computer Interaction Techniques and Applications

Message from the Guest Editors

Human-computer interaction (HCI) plays a pivotal role in shaping the way individuals interact with technology, bridging the gap between human capabilities and system functionality. There exists a spectrum of interaction modalities, ranging from traditional keyboard and mouse inputs to emerging technologies such as gesture recognition, speech inputs, generative AI, and virtual and augmented reality. The emergence of new technological advancements, including generative artificial intelligence, mobile computing, Internet of Things (IoT), extended reality, and virtual and augmented reality, have created new requirements for the effective design of user experiences and introduced opportunities for novel interaction methods and approaches. This Special Issue is dedicated to disseminating high-quality, original research papers, works in progress, surveys, reviews, and opinion pieces on research related to human-computer interaction, covering the following topics (among others):

- Human-computer interaction theory;
- Multimodal interaction;
- Natural language interaction;
- Intelligent user interfaces;
- User-centered design;
- IoT for human-computer interaction;

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2024)



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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 guest-edited by leading experts in selected topics of interest.

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