

Special Issue

Human-Centered Artificial Intelligence for Human-Computer Interaction, Signal Processing, and Unmanned Systems

Message from the Guest Editors

Human-centered artificial intelligence (HCAI) is an increasingly vital research domain dedicated to designing AI technologies that respect human values, prioritize user needs, and enhance overall well-being. This Special Issue seeks to compile and showcase cutting-edge research and comprehensive review articles at the nexus of human-centered artificial intelligence, signal processing, and unmanned systems, with a particular focus on human-computer interaction (HCI). We invite contributions that present innovative approaches and interdisciplinary frameworks to advance autonomous systems, enhance user experiences, and address the ethical implications of algorithmic decision-making. Potential topics for this Special Issue include, but are not limited to, the following:

- AI and machine learning frameworks;
- Signal processing and data analytics;
- User interface and interaction design;
- Autonomous system control and navigation;
- Usability and performance evaluation;
- Decision support and situational awareness.

Guest Editors

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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.

Editor-in-Chief

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