

Special Issue

Recent Advances in Extended Reality

Message from the Guest Editors

Recent technical advances and research in extended reality (XR), which broadly includes virtual, augmented, and mixed reality (VR, AR, and MR, respectively), enable us to extend our experience and abilities in various contexts. For example, VR users naturally and intuitively interact with remote users in immersive social virtual environments using their embodied avatars; AR users extend their sensory perception and knowledge through additional sensing devices equipped with AR displays; and in situ intelligent virtual entities are augmented into the real world. We are pleased to invite diverse research that covers different disciplines and perspectives, including, but not restricted to, the following topics:

- New XR frameworks and platforms;
- Sensing and tracking for XR;
- Usability and user experience (UX) studies;
- Human factors and ergonomics in XR;
- Perception and cognition in XR;
- Virtual avatars and agents;
- Human–robot interaction with XR;
- Remote collaboration and learning in XR;
- Context-aware XR systems;
- IoT and 5G for XR;
- Industrial and occupational XR applications

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Deadline for manuscript submissions

closed (30 April 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.

Editor-in-Chief

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