

Special Issue

Activity Recognition in Smart Environments

Message from the Guest Editors

Our Special Issue will focus on activity recognition in smart environments, highlighting key technologies like sensor integration, machine learning, and ambient intelligence. By leveraging diverse sensing modalities, systems can comprehensively understand human behavior and interaction within intelligent spaces. Advanced AI and data fusion are essential for processing these multi-source data streams, enabling human-computer interaction, real-time monitoring, and personalized adaptation in smart environments. Additionally, integrating these technologies with the IoT and cloud computing facilitates seamless data communication, fostering smarter, more responsive environments. We invite submissions that tackle the technical and ethical challenges of activity recognition in smart environments, including but not limited to the following topics:

- Machine Learning and AI for Activity Recognition
- Sensor Networks and Data Fusion
- Human-Computer Interaction
- Ambient Intelligence
- Wearable Devices
- Ubiquitous Computing
- Applications in Healthcare and Assisted Living
- Security and Privacy in Smart Environments
- Real-World Implementations
- Challenges and Future Directions

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2025)



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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.

Editor-in-Chief

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