

## Special Issue

# Human Robot Interaction: Techniques, Applications, and Future Trends

### Message from the Guest Editors

This Special Issue in the *Electronics* journal aims to bring together the latest research and applications in the field of HRI, focusing on emerging techniques, concrete implementations, and future development directions. Contributions that address the technical, social, and ethical aspects of human robot interaction and propose creative solutions, demonstrative platforms, or relevant case studies are encouraged. The topics of interest include, but are not limited to, the following:

- Machine learning and artificial intelligence algorithms for human–robot collaboration;
- Multimodal interaction methods (speech, gestures, gaze, and haptic feedback);
- Recognition of emotions and adaptive behaviors in robots;
- Human factors and ergonomics in HRI interface design;
- Social and assistive robotics for health, therapy, and elderly care;
- Educational robots and platforms for collaborative learning;
- Trust, ethics, and transparency in interaction with robots;
- Augmented and virtual reality in HRI systems;
- The safety and reliability of robots near humans;
- Future trends and emerging applications of HRI in smart environments.
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### Guest Editors

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### Deadline for manuscript submissions

15 June 2026



## Electronics

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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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### Editor-in-Chief

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