

## Special Issue

# New Insights Into Smart and Intelligent Sensors

### Message from the Guest Editors

Smart sensor technologies have been deployed for monitoring and control mechanisms in a wide variety of environments. Smart sensors provide information on a physical environment by using embedded microprocessors and wireless communication to monitor, examine, and maintain various systems. Technological developments in digital signal processing are driving major changes in the sensor domain. Thus, data fusion techniques and artificial intelligence concepts are now commonly used for better exploitation of sensor data as well as for successful integration into smart sensing applications. Innovative solutions to remedy some of the drawbacks of intelligent and smart sensors are also encouraged. The purpose of this Special Issue is to explore advanced and visionary solutions related to intelligent and smart sensors. Academic researchers, developers, and industry practitioners are welcome to submit original research contributions dealing with intelligent and smart sensors. Additionally, application-oriented and review papers are encouraged.

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### Guest Editors

Dr. Ioan Burda

Dr. Ajit Jha

Dr. Carlos Cruz

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### Deadline for manuscript submissions

31 December 2025



## 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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