

## Special Issue

# Internet of Things and Wireless Communications in Industry

### Message from the Guest Editor

The integration of the Internet of Things (IoT) and wireless communications within industrial environments represents a transformative leap towards the realization of Industry 4.0. This convergence facilitates unprecedented levels of connectivity, enabling seamless communication between machines, sensors, and control systems. Industries leveraging IoT and wireless communications benefit from improved automation, enhanced safety protocols, and reduced downtime, thereby fostering a more agile and responsive production landscape. Energy management is a critical area where these technologies can yield significant benefits, from smart grid applications to monitoring and reducing energy consumption across manufacturing processes. This Special Issue seeks to explore the latest advancements, case studies, and theoretical developments in IoT and wireless communications regarding their applications to industrial contexts. Contributions are invited to address challenges, propose innovative solutions, and present future trends that could further revolutionize industrial processes.

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### Guest Editor

Prof. Dr. Chun-Cheng Lin

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### Deadline for manuscript submissions

closed (20 March 2025)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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