



Special Issue on Intelligent Manufacturing

Call for Papers

Intelligent Manufacturing refers to the integrated use of advanced data analytics, artificial intelligence (AI), and smart machinery to optimize production processes. It encompasses real-time monitoring, adaptive decision-making, and automation to enhance efficiency, product quality, and flexibility in manufacturing systems. By leveraging Internet of Things (IoT) technology, intelligent manufacturing aims to achieve seamless communication between machines, products, and humans, facilitating a highly responsive and self-optimizing production environment.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **Intelligent Manufacturing**. Potential topics include, but are not limited to:

- Industrial Internet of Things
- AI in manufacturing
- Industrial data analytics
- Intelligent manufacturing systems
- Virtual reality simulation techniques
- Smart systems design and analysis
- Smart production planning and control
- Predictive maintenance
- Digital twin technology
- Robotics and Automation
- Cyber-physical systems
- Human-robot collaboration
- Quality control and inspection
- Manufacturing data security and privacy
- Supply chain and logistics optimization
- Smart production management
- Sustainability and green manufacturing
- Industry 4.0

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed



to be specified and the research field “**Special Issue – *Intelligent Manufacturing***” should be chosen during your submission.

According to the following timetable:

Submission Deadline	June 21st, 2024
Publication Date	August 2024

For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

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