

## Special Issue

# Smart Manufacturing in the AI Era

### Message from the Guest Editor

We invite submissions to this Special Issue, which explores AI-driven advancements transforming manufacturing into intelligent, autonomous, and data-driven systems. The issue bridges the gap between theoretical AI developments and practical industrial applications, emphasizing intelligent decision-making, automation, and process optimization. Topics include:

- AI/ML architectures for manufacturing
- Performance benchmarking in industrial settings
- Smart, sustainable production systems
- AI in machining, additive manufacturing, and predictive maintenance
- Robotics, logistics, and supply chain optimization
- AI-enhanced scheduling and Industry 4.0 integration

We welcome original research and reviews, encouraging open-data validation and collaborative submissions. Join us in advancing intelligent manufacturing!

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### Guest Editor

Dr. Jeong Hoon Ko

Precision Manufacturing, Taizhou Institute of Zhejiang University, Taizhou, China

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### Deadline for manuscript submissions

3 December 2026



## Big Data and Cognitive Computing

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Impact Factor 4.4  
CiteScore 9.8



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## About the Journal

### Message from the Editor-in-Chief

*Big Data and Cognitive Computing (BDCC)* is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Min Chen

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### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

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#### Journal Rank:

JCR - Q1 (Computer Science, Theory and Methods) /  
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