

# Special Issue

## Mixture of Human and Machine Intelligence in Digital Manufacturing, 2nd Edition

### Message from the Guest Editors

This is the second edition of the successful Special Issue “Mixture of Human and Machine Intelligence in Digital Manufacturing”. Industry 4.0 and digital manufacturing introduce new paradigms for human-machine interface (HMI). Various definitions emphasize the importance of designing user interface technologies that enable the development of effective software and hardware. Modern interaction technology has evolved from using computers as tools to forming human relationships with autonomous systems, highlighting human factors in interaction processes (De Visser and Shaw, 2018). A synergy between human and machine intelligence can drive computational intelligence, offering new opportunities for traditional manufacturing systems. As machines interact with systems and make human-relevant decisions, new design patterns in perception, control, and arbitration are needed to integrate human expertise. Sensory data collection also aids digital decision-making. This Special Issue aims to provide a platform for academics and industry professionals to share recent advancements, address challenges, and explore HMI applications in manufacturing systems.

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### Guest Editors

Dr. Yang Lu  
Dr. Ming Zhang  
Dr. Ziwei Wang

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### Deadline for manuscript submissions

30 June 2026



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### Editor-in-Chief

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