

THE JOURNAL OF ENGINEERING

IET Open Access Research

SPECIAL SECTION:

Intelligent Engineering Solutions for Industry 4.0

This Special Section is aimed at the latest improvements in computational intelligence techniques for Industry 4.0, a vision of production engineering environments which connect embedded system production technologies and smart production processes. Industry 4.0 combines cloud computing, additive manufacturing, augmented reality, big data analysis, autonomous robots, modeling-simulation, horizontal and vertical system integration, the industrial Internet-of-Things, and cybersecurity. The Special Section will include review articles and papers that describe theoretical and experimental research results and innovative concepts in the area of computational intelligence based engineering methods for Industry 4.0.

Topics of interest will include, but are not limited to:

- Computational intelligence techniques for Industry 4.0
- Computer vision, robot vision and image processing methods
- Predictive maintenance, fault diagnosis and health monitoring
- Multiobjective optimisation techniques
- Quality control and inspection methods
- Internet-of-Things (IoT) in Industry 4.0
- Cloud-based manufacturing systems
- Modeling, simulation, virtual and augmented reality technologies in Industry 4.0
- Big data analysis for Industry 4.0
- Smart products and systems using machine learning
- e-Design and e-Manufacturing
- Intelligent education training techniques for Industry 4.0

All papers must be submitted through the journal's Manuscript Central system:
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