





IET Collaborative Intelligent Manufacturing

Newly launched IET journal

A new fully Gold Open Access journal, *IET Collaborative Intelligent Manufacturing* journal attracts high quality papers on methodologies and techniques for the application of intelligence, data science and emerging information and communication technologies in the design, modeling, simulation, planning, and optimisation of product, process, production, assembly, supply chain and logistics.

The interdisciplinary scope of the journal covers the full range of collaborative intelligent manufacturing, including:

- Agent-based collaborative intelligent manufacturing
- Collaborative product design
- Human-centric / customer-oriented product design
- Development of smart / intelligent products with embedded intelligence
- Sensor-fusion for intelligent machining and inspection
- Internet of Things, Cyber-Physical Systems in intelligent manufacturing
- Big Data in intelligent manufacturing
- Distributed virtual reality and augmented reality in intelligent manufacturing
- Collaborative intelligent process planning and scheduling
- Human-machine interactions, human-robot / robot-robot collaboration in manufacturing
- Collaborative virtual enterprises
- Smart factories, supply chains and logistics
- Intelligent manufacturing standardisation
- Preventative and predictive maintenance of manufacturing equipment
- Cybersecurity in collaborative intelligent manufacturing



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Meet the Editors-in-Chief



Weiming Shen, National Research Council,

Dr Weiming Shen is a Principal Research Canada and an Adjunct Research Professor at the University of Western

his Bachelor's and Master's degrees in Mechanical Engineering from Beijing Jiaotong University, PR China and his PhD degree in Systems Control from the University of Technology of Compiègne, France, in 1996. He is a Fellow of IEEE and a Fellow of the Engineering Institute of Canada.

Dr Shen has authored/co-authored several books and over 400 papers (including 160+ journal papers), mostly on collaborative intelligent systems and (google scholar citation: 10,000+ and h-index of 48).



Liang Gao, Huazhong University of Science and Technology, **PR China**

Dr Liang Gao is Professor of the Department of Industrial and Manufacturing Systems Engineering (IMSE), the Deputy Director of State Key Laboratory of Digital Manufacturing Equipment and Technology and Vice Dean of the Research and

Development Office at Huazhong University of Science and Technology (HUST), Wuhan, PR China. He obtained his B.Sc. degree in mechatronic engineering from Xidian University, Xi'an, PR China, in 1996, and his Ph.D. in mechatronic engineering from HUST in 2002, where he has served as a professor since 2006. In 2008, Professor Gao was supported by the Program for New Century Excellent Talents in University. He was also supported by a program for first level candidates of Hubei New Century high-level talents in 2012.

Professor Gao's research interests include intelligent optimisation algorithms, big data and deep learning in design and manufacturing applications. He has undertaken three National Natural Science Foundation of China (NSFC) funded projects and more than ten other nationally funded projects. He has published more than 170 papers that are indexed by SCIE, authored four monographs and owns eight authorised invention patents and thirteen computer software copyrights.

The Editorial Board of IET Collaborative Intelligent Manufacturing is compromised of world-leading experts in this field, who ensure the journal only publishes high-quality research that offers novel and insightful advances in the field. For a full list of Editorial Board members, please visit: www.ietdl.org/IET-CIM

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