

Special Issue on  
**Recent Emerging Technologies and Future Challenges on  
Intelligent Robots**

# CALL FOR PAPERS

Today, robotics and human-in-the-loop systems have been intensively utilized in intelligent manufacturing automation processes and industrial environments. The ultimate goal for intelligent manufacturing is to achieve the intelligent flow of automatic equipment, information, energy, and capital within the automation lines and human working environments, by the backup of latest robotic technologies with blending of software and hardware, what is virtual and what is actual, and human and machines.

Hence, this special issue is targeted to gather the progress of latest developments on novel designs, functions, build-in intelligence, and applications in the field of robotics to achieve “partners” or “coworkers” in human working environments. In particular, we encourage the authors of the excellent papers presented in 14th International Conference on Automation Technology to resubmit their revised, expanded, and/or updated version.

Potential topics include but are not limited to the following:

- ▶ Novel serial, parallel, or hybrid mechanism design and applications
- ▶ Soft robotics
- ▶ Multirobotic systems for collaborative tasks
- ▶ Human-robot interactions
- ▶ VR/AR in the robotic systems
- ▶ Pattern recognition in robotic and mechatronic systems
- ▶ Artificial intelligence in robotic and mechatronic systems
- ▶ Autonomous robotic systems

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jr/etd/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

**Lead Guest Editor**

Chi-Cheng Cheng, National Sun Yat-sen University, Kaohsiung City, Taiwan  
*chengcc@mail.nsysu.edu.tw*

**Guest Editors**

Yi-Cheng Huang, National Changhua University of Education, Changhua City, Taiwan  
*ychuang@cc.ncue.edu.tw*

Yan Jin, Queen’s University Belfast, Belfast, UK  
*y.jin@qub.ac.uk*

Helene Chanal, Sigma-Clermont, Aubiere, France  
*helene.chanal@sigma-clermont.fr*

Chin-Yin Chen, Ningbo Institute of Materials Technology & Engineering, Ningbo, China  
*chenchinyin@nimte.ac.cn*

**Submission Deadline**

Friday, 11 May 2018

**Publication Date**

September 2018