

2020 IEEE International Conference on Industrial Informatics July 12-15, Guangzhou, China

Special Session on “Intelligent Power-assisted Robots and Exoskeletons”

organized by

Principal Organizer: Tao Liu, Zhejiang University, China, liutao@zju.edu.cn

Organizer 1: Long He, Beijing Research Institute of Mechanical and Electrical Engineering, China, helong208@126.com

Organizer 2: Xinrui Wang, Beijing Research Institute of Mechanical and Electrical Engineering, China, xinrui@163.com

Organizer 3: Wei Dong, Harbin Institute of Technology, China, dongwei@hit.edu.cn

Organizer 4: Xiaorong Guan, Nanjing University of Science and Technology, China, gxr@njust.edu.cn

Organizer 5: João P. Ferreira, University of Coimbra, Portugal, ferreira@isec.pt

Call for Papers

Theme:

With the rise of the robot industry, robotics plays an increasingly prominent role in human life. Therefore, there is a great demand for the technologies of the power-assisted equipment in manual lifting, military applications and rehabilitation. This special session is intended for researchers who are working in the related fields, including collaborative robots, brain-computer interface, wearable devices, artificial intelligence, etc.

Topics of interest include, but are not limited to:

- Flexible Human-robot Cooperation
- Rehabilitation Exoskeleton/Robot
- Assist Exoskeleton/Robot
- Power-assist actuator
- Brain-computer Interface
- Wearable Device
- Teleoperation
- Intention recognition
- Machine Learning

Submissions Procedure: All the instructions for paper submission are included in the conference website <https://indin2020.medmeeting.org/en>

Fast track to transactions: INDIN 2020 presents a unique chance of fast-tracking best papers to IEEE Transactions on Industrial Informatics (TII). Authors intended to use the fast track shall submit papers in the form following the transactions requirements: length up to 8 pages, double-column IEEE format, without authors' names and affiliations. If the paper is accepted and recommended for the transactions' submission, the authors will be asked to:

- 1) Revise the paper according to the reviewers' comments and submit it to the TII with attached point by point summary of revisions. The paper will be then subject to double blind review process of TII.

A good quality paper may be considered for publication in IEEE Transactions on Industrial Informatics (I.F.=7.377) subjects to further rounds of review

- 2) Prepare a shortened, 4 page long version for the INDIN proceedings and submit it by the 'final manuscripts due' deadline of INDIN 2020. This version shall include authors names and affiliations as per the usual INDIN template.

Deadlines:

Deadline for submission of papers:	March 07, 2020
Notification of acceptance of papers:	April 18, 2020
Final manuscripts due:	May 09, 2020