

Annual Conference of the IEEE Industrial Electronics Society (IECON 2022)

Special Session on “Advances in Human-Mechatronic Systems”

Organized by

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Call for Papers

Theme:

Along with the rapid progress in the fields of human factors and mechatronics, the importance of human factors in the development and operation of mechatronic systems has been widely recognized. This special session provides people a platform to present their new research results, and to discuss the state-of-the-art research topics and challenges in the related fields with broad interest. Contributors are welcome to submit their papers to this special session including human factors theory, robotics, mechatronics, behavioural and social sciences, design, health, human-computer interaction, artificial intelligence, haptics, etc

Topics of interest include, but are not limited to:

1	Human System Interaction
2	Assistive robotics, Supporting system for human
3	real-world implications for human-robot interaction
4	human-agent teaming
5	perceptual and cognitive abilities of robots
6	Artificial Intelligence
7	Vision systems
8	Mechatronics with human
9	Biological control
10	Open possibilities for use of robots, where it was not common before

Good quality papers may be considered for publication in the IEEE Trans. on Industrial Electronics, subject to further rounds of review.

Sponsoring IES Technical Committee(s):
Technical Committee on Human Factors (TC-HF), Daisuke Chugo, Chair

IEEE IES Technical Committee on Human Factors <https://sites.google.com/view/ieee-ies-tc-hf>

Submissions Procedure:

All the instructions for paper submission are included in the conference website: <https://iecon2022.org/>

Deadlines:

Full paper submission:	April 15, 2022
Paper acceptance notification:	June 17, 2022
Camera-ready paper submission:	July 29, 2022