



ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY

Chicago | Illinois, November 3-6, 2024

Special Session on Mechatronic Systems for Human Coexistence Environment

Organized and co-chaired by:

Prof. Satoshi Muramatsu, Tokai University, Japan
Prof. Koji Makino, University of Yamanashi, Japan
Prof. Yihsin Ho, Takushoku University, Japan

muramatsu@tokai.ac.jp
kohjim@yamanashi.ac.jp
hyihsin@es.takushoku-u.ac.jp

Call for Papers

Technical Outline of the Session and Topics:

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 the Session include, but are not limited to:

- Human Robot Interaction
- Human System Interaction
- Artificial Intelligence (AI)
- Human-Agent Teaming
- Perceptual and Cognitive Abilities of Robots
- Real-world Implications for Human-robot Interaction
- Vision Systems
- Mechatronics with Human
- Biological Control
- Open possibilities for use of robots, where it was not common before



Author's schedule:

Deadline for submission of special session papers	April 15, 2024
Notification of acceptance	June 10, 2024
Deadline for submission of final manuscript	July 01, 2024

Early submission is highly encouraged for early decision notifications!



All the instructions for paper submission are included in the conference website:
www.iecon-2024.org