

Special Session on
“Frontiers of Standardization and Human Factors”
Organized by

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Call for Papers

Nowadays, interaction between human and robotic systems covers a wide range, for example, the weight is from heavy to light, the fields are from manufacturing to service, and the style is from fixed to mobile. To enable the human-centred design of a human-mechatronic system, this special session provides people a platform to discuss and explore frontier issues on standardization, human factors, and human factors standardization.

Topics of the Session include:

- Human factors in Robots
- Human-centred design
- Human-computer interaction
- Human-robot communication
- Human-robot interaction
- Display and control of technologies
- Robot vision
- Standards of human-centred mechatronic systems
- Standards of the implementation of service and rehabilitation robots
- Best Practices and Standardization of human-machine interfaces applied to industrial robotics and automation systems
- Best Practices and Standardization of human-machine interface application to autonomous vehicles and transportation