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Special Session on

"Intelligent Sensing Applications for Human Assistive Systems"

Organized by

Naoki Motoi (Kobe University, motoi@maritime.kobe-u.ac.jp)
Chowarit Mitsantisuk (Kasetsart University, fengcrm@ku.ac.th)
Hiroshi Igarashi (Tokyo Denki University, h.igarashi@mail.dendai.ac.jp)
Sota Shimizu (Shibaura Institute of Technology, sota@ieee.org)

Call for Papers

The recent advances of sensing technology are expected to contribute to intelligent systems in future human assistive applications. The sensory factors may involve broad functions in system integration, therefore the session focuses on human factors, IoT and human assistive systems. For example, the human intention is expected to be estimated by several physical information. Furthermore, how to apply the detected sensor information is a key for the assistive systems, e.g. power assist wheeled chairs, human life support, remote control systems. This session aims to discuss new trends of sensing and its applications for emerging system functions, mobility and robotics.

Topics of interest include, but are not limited to:

- Innovative Sensing Instruments
- Sensor-based Assistive Control for Robotic Systems
- Sensor-based Human Assistive Applications/Devices
- Signal Processing for Sensing Applications
- Human-Machine Interactions

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