

Special Session on
Intelligent Sensing and Control Applications
for Human Assistive Systems

Organizers:

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Technical Outline of the Session and Topics:

The Fusion of advanced sensing technology and control system are expected to expand to contribute to future human assistive applications. Thus, this session is therefore focused on wide applications to the fusion of intelligent sensors and control. For example, to topics of the session are the sensing of human intention to be estimated by several physical information, power assist wheeled chairs, human life support, and remote control systems. This session aims to discuss new trends in sensing and its applications for emerging system functions, mobility, and robotics.

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

IEEE IES Technical Committee Sponsoring the Special Session

- Technical Committee on Sensors and Actuators
- Technical Committee on Motion Control