

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

Special Session on

“Intelligent Sensing Applications for Human Assistive Systems”

Organized by

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Call for Papers

Theme:

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, human assistive systems, and AI technologies for intelligent sensing applications. 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 robots.

Topics of interest include, but are not limited to:

1	Innovative sensing instruments
2	Sensor-based assistive control for robotic systems
3	Sensor-based human assistive applications/devices
4	Signal processing for sensing applications
5	Human-machine interactions
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Sponsoring IES Technical Committee(s):

IEEE IES Technical Committee on **Sensors and Actuators** [TC-SA homepage \(google.com\)](#)

IEEE IES Technical Committee on **Motion Control** [IEEE-IES, Technical Committee on Motion Control \(uia.no\)](#)

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

Please send this completed document to:

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