

# CALL FOR PAPERS



## Special Session on Advanced Motion Control for Physical Human-Robot-Interaction

IECON 2018 - The 44<sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society  
October 21-23, 2018, Washington D.C, USA



### TOPIC OF THE SPECIAL SESSION

Future motion systems including robots are expected to realize direct support for human activities. Achievement of physical interaction between human and robot for improvement of QOL still remains as an open problem. Then, advanced motion control technology for soft interaction will be a key technology. In addition, new actuation and sensing techniques oriented to applications to physical support robots will also be a technological challenge.

The scope of this special session is to present the most innovative results to the large audience of IECON2018. This Special Session will focus on, but is not limited to, the following topics of interest.

#### Topics of the Session

- Motion Control for Soft Interaction
- Real Haptics
- Human-Robot-Collaboration
- Actuators and Sensors oriented to Human Support Robot
- Medical/Rehabilitation Applications

#### IEEE IES Technical Committee Sponsoring the Special Session:

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

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#### Author's schedule:

Deadline for submission of  
special session papers  
May 1st, 2018

Notification of acceptance  
July 15th, 2018

Deadline for submission of  
final manuscripts  
August 1st, 2018