

CALL FOR PAPERS



Special Session on Close Proximity Human-Robot Interaction

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
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TOPIC OF THE SPECIAL SESSION

Today a robot is part of the big data. Robots receive commands from the internet and may have no fixed sensors on their mechanical body. Robots are even embedded in cars/consumer electronics/mobile phones and any electronic appliances that can communicate through internet or other wired/wireless communication.

Communication between a human and a robot may take several forms, where forms are largely influenced by the distance between human and the robot. Human Robot Interaction can be separated into two general categories: proximity interactions and remote interactions. The Special session has a special focus is put on the multi-modal possibilities of the communication.

Topics of the Session

- System integration in the field of industrial robotics
- Standardization of robot operative system
- Utilize robots in daily life
- Advanced human interface in the field of industrial robotics
- Advanced human-machine communication
- Achieve higher user-friendliness and acceptance of robot
- New robot concepts
- Intelligent manufacturing systems for small-scale enterprises

IEEE IES Technical Committee Sponsoring the Special Session:

- TC on Control, Robotics and Mechatronics

ORGANIZED AND CO-CHAIR BY

Ass. Prof. Mihoko Niitsuma,
niitsuma@mech.chuo-u.ac.jp

Prof. Trygve Thomessen,
trygve.thomessen@ppm.no

Prof. Yasuharu Kunii,
kunii@elect.chuo-u.ac.jp

Ass. Prof. Gabor Sziebig,
gabor.sziebig@uit.no

Author's schedule:

- Deadline for submission of special session papers
May 1, 2018
- Notification of acceptance
July 15, 2018
- Deadline for submission of final manuscripts
September 7, 2018