

CALL FOR PAPERS



Special Session on *Intelligent Control and Motion Planning in Robotic Systems*

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



TOPIC OF THE SPECIAL SESSION

Robotic systems are increasingly used in the practical applications in recent years. The field of robotic applications covers manufacturing, healthcare, space and marine exploration, intervention in hazardous environments, etc. For various intelligent robotic systems such as mobile robots (UAV, AGV), biomimetic robots, soft robots, surgical robots, etc., it is critical to design and implement efficient algorithms and hardware platforms for motion control and planning. Motion plays an important role in conducting the tasks by the robotic systems. The objective of this special session is to support the exchange of new ideas and experiences in this active field of robotics research.

Topics of the Session

- Intelligent robotic control systems
- Precision motion control
- Motion planning
- Navigation, mapping and path planning
- Intelligent sensors and actuators
- Mobile robotics (e.g., unmanned- and micro- air vehicles)
- Biomimetic and bio-inspired robotics
- Soft robotics
- Medical robotics and robot-assist surgery

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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

For additional information please visit www.iecon2018.org