

Special Session on
“Intelligent Control and Planning of Robot Motion”
Organized by

- **Wenyu Liang,**
National University of Singapore, Singapore
email: liangwenyu@u.nus.edu
- **Jiawei Cao,**
National University of Singapore, Singapore
email: tslcaoj@nus.edu.sg
- **Qinyuan Ren,**
Zhejiang University, China
email: renqinyuan@zju.edu.cn

Call for Papers

In recent years, there are increasing needs for robots and intelligent systems in practical applications such as manufacturing, healthcare, agriculture, construction, space and marine exploration, intervention in hazardous environments, etc. It is noteworthy that motion plays an important role in achieving various tasks by the robotic systems. For various robotic systems such as robotic manipulators, mobile robots (e.g., UAVs, AGVs), biomimetic and bio-inspired robots, soft robots, medical robots, etc., it is crucial to design and implement efficient hardware platforms and intelligent algorithms for motion control and planning. The objective of this special session is to support the exchange of new ideas and experiences in this active field of robotic research.

Topics of the Session include, but are not limited to:

- Robotic control systems
- Intelligent sensors and actuators
- Motion control and planning
- Collaborative robots
- Mobile Robots
- Multi-agent systems
- Biomimetic and bio-inspired robots
- Soft robots
- Medical robots (e.g., robot-assist surgery and rehabilitation robots)