ICIEA 2022 Special Session

Title of session	Intelligent Control and Motion Planning for Robotic Systems
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Summary of session	In recent years, robots and intelligent systems are increasingly needed and used in practical applications such as manufacturing, agriculture, construction, healthcare, space and marine exploration, intervention in hazardous environments, etc. Significantly, motion plays an important role in conducting the tasks by the robotic systems. Therefore, it is critical to design and implement efficient hardware platforms and intelligent algorithms of control and motion planning for various robotic systems (e.g., robot manipulators, mobile robots, collaborative robots, biomimetic and bioinspired robots, soft robots, medical robots, etc.).
	The purpose of this special session is to support the exchange of new ideas and experiences in this active field of robotic research on robot control and motion planning.
	Topics of interest include, but are not limited to:
	Robotic control systems
	Motion control and planning
	Intelligent sensors and actuators
	Collaborative robots
	Mobile Robots
	Multi-agent systems
	Biomimetic and bioinspired robots
	Soft robots
	Medical robots (e.g., robot-assist surgery and rehabilitation robots)