

Special Issue

Intelligent Robotic Systems: Integration of Perception, Calibration, and Adaptive Control

Message from the Guest Editor

The rapid development of intelligent robotic systems has catalyzed advancements in multi-robot cooperation, enabling more complex tasks in dynamic and uncertain environments. This Special Issue focuses on the integration of perception, calibration, and adaptive control within multi-robot systems, aiming to bridge the gap between accurate environment understanding and robust system coordination. Topics of interest include multi-modal sensing and fusion for situational awareness, intrinsic and extrinsic sensor calibration under real-time constraints, and learning-based or model-based adaptive control strategies for cooperative path planning and formation maintenance. We welcome original research and review articles that explore innovative algorithms, system architectures, and experimental validations to push the boundaries of perception-driven autonomy in distributed robotic systems.

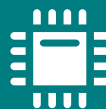
Guest Editor

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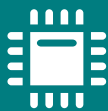


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