

## Special Issue

# Dynamics and Control System Design for Robotics

### Message from the Guest Editors

Dynamics and control are at the core of robotics research. Developing dynamic modeling and analysis based on dynamic characteristics is very important to understand the motion and interaction of the robotics system. By feedback signals from sensors, dynamic control is well-defined historically, and control methods are widely applied in robotics systems for high accuracy and adaptability. Recently, the machine learning approach is also very popular in the dynamic control of the robotics for large data collection from robot motion. This Special Issue aims to investigate recent research findings on dynamics and control system design in robotics. We welcome the recent results from dynamics and control theory to the application of the theory to the robots including humanoids and drones. Topics of interest include, but are not limited to, dynamic modeling, dynamic analysis, motion control, interaction control, and machine-learning-based controls. Review papers are also welcomed to this Special Issue.

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### Guest Editors

Dr. Taewon Seo  
Dr. Taegyun Kim  
Dr. Sungkeun Yoo

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### Deadline for manuscript submissions

31 July 2026



## Sensors

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*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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