

## Special Issue

# Design, Dynamics and Control of Robots

### Message from the Guest Editors

Robots are getting increasingly complex in order to achieve difficult operations, which cooperate with or substitute human operators to perform a growing variety of tasks. Robot systems are often designed with comprehensive utilization of sensors, vision modules, actuators, controllers, etc. Therefore, the research on the design, dynamics, and control of various types of robots is of great importance to achieve better performance on different tasks. Nowadays, robot tasks in a wide range of fields require intelligent and flexible actions in unstructured/fast-changing working environments, which brought great challenges to the decision, planning and control of robot systems. On the other hand, a deeper task-specific understanding of the design and dynamics of robot systems is essential to achieve superior task performance both on low-level control and higher level learning-based decision/planning. Therefore, it is expected that various robot systems could be greatly improved with advances in design, dynamics, and control methods. In addition, the challenges brought by more complex robot applications could also push the development of more powerful control methods.

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### Guest Editors

Dr. Zhan Li

Dr. Zhang Chen

Dr. Yiyong Sun

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### Deadline for manuscript submissions

closed (30 June 2023)



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### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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