



## Intelligent Control of Flexible Manipulator Systems and Robotics

Guest Editors:

**Dr. Xiuyu He**

School of Automation and  
Electrical Engineering, University  
of Science and Technology  
Beijing, Beijing 100083, China

**Dr. Zhijia Zhao**

School of Mechanical and  
Electrical Engineering,  
Guangzhou University,  
Guangzhou, China

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editors

Dear Colleagues,

The ever-growing utilization of flexible manipulators and robotics in various applications has been motivated by the requirements and demands of industrial automation. The flexural dynamics (vibration) in flexible manipulators and robotics have been the main research challenge in the control of such systems. However, traditional control methods cannot achieve excellent performance in vibration suppression and dynamic responses. In recent years, many intelligent control methods have been proposed and achieved good development, which provides the possibility for the intelligent control of flexible manipulators. Accordingly, this Special Issue seeks to collect theoretical results about the intelligent control of flexible manipulator systems and robotics and experimental studies on their use in real-world applications.

Dr. Xiuyu He  
Dr. Zhijia Zhao  
*Guest Editors*

