

# Special Issue

## Robotics: Intelligent Control Theory

### Message from the Guest Editor

This Special Issue focuses on the latest developments in intelligent control theory and its application to robotics. Potential topics include but are not limited to the following:

- Intelligent mobile robots;
- Intelligent control of robotic manipulators;
- Intelligent autonomous systems (unmanned surface/underwater/aerial vehicles);
- Intelligent control of swarm robots;
- Reinforcement learning-based control of robots;
- Deep learning-based intelligent control of robots;
- Intelligent optimization and applications to robotics;
- Robot machine learning;
- Intelligent multiagent control systems in robotics;
- Intelligent modeling and identification in robotics;
- Stability and robustness analysis of intelligent control systems;
- Hybridization techniques in intelligent control for robotics;
- New trends in intelligent control of robotics.

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### Guest Editor

Dr. Hicham Chaoui

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### Deadline for manuscript submissions

closed (31 December 2020)



## Robotics

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## About the Journal

### Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step. It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

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### Editor-in-Chief

Prof. Dr. Marco Ceccarelli

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