



## Artificial Intelligence(AI) in Robotics

Guest Editors:

**Prof. Dr. Hongbin Ma**

School of Automation, Beijing  
Institute of Technology, Beijing  
100081, China

**Prof. Dr. Charlie Yang**

Department of Computer  
Science, University of Liverpool,  
Liverpool L69 3BX, UK

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### Message from the Guest Editors

Dear Colleagues,

Robotic technology has played a key role in a number of areas, including daily life, industrial applications and medical applications. Artificial intelligence, in particular, machine learning, is crucial and important for intelligent robots or unmanned/autonomous systems, such as UAVs, UGVs, UUVs, cooperative robots, etc. For human beings, capabilities such as perceiving visual information, adapting to uncertain environments and making decisions to take action in a complex system make people distinct from animals. Significant progress has been made towards human-like intelligence in robotics; however, there are still many unresolved problems. In recent decades, techniques such as deep learning, reinforce learning, real-time learning, swarm intelligence and other emerging techniques such tiny-ML have been developed, which have been applied in robotics. We believe that the increasing demands and challenges posed by real-world problems involving robotic applications promote academic research of artificial intelligence as well as robotics.





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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

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*Applied Sciences* Editorial Office  
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