Special Issue

Chatbots and Talking Robots

Message from the Guest Editors

In recent years, with advances in artificial intelligence and machine learning, we have witnessed the rapid growth of robots. They have been developed to provide services through a wide range of methods for humankind. Thanks to the development of natural language processing and large language models, chatbots and talking robots have slowly become more similar to humans, and have started to physically interact with humans. They are widely employed in various scenarios, such as medical and financial applications, active assisted living, social companionship, cooperative work and even distance education. Based on these previous statements, this Special Issue has been established to cover the recent trends and advances in chatbots and talking robots. We are looking for state-of-the-art research that covers topics related to chatbots, including, but not limited to, the following:

- Natural language processing;
- Human–robot interactions;
- Advanced technologies used in chatbots and talking robots;
- AI in chatbots.

Guest Editors

Dr. Soyeon Caren Han

School of Computer Science, The University of Sydney, Sydney, Australia

Dr. Naira Hovakimyan

Department of Mechanical Science and Engineering, University of Illinois at Urbana-Champaign, Room 223, 1206 West Green Street, Urbana, IL 61801, USA

Deadline for manuscript submissions

closed (31 March 2024)

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.

Editor-in-Chief

Prof. Dr. Marco Ceccarelli
LARM2: Laboratory of Robot Mechatronics, Department of Industrial Engineering, University of Rome Tor Vergata, Via del Politecnico 1, 00133 Roma, Italy

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, ESCI (Web of Science), dblp, Inspec, and other databases.

Journal Rank:
JCR - Q2 (Robotics) / CiteScore - Q1 (Control and Optimization)