actuators

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 3.9

Intelligent Humanoid Mobile Robots

Guest Editors:

Dr. Jorge Muñoz
RoboticsLab, University Carlos III of Madrid, Avenida Universidad 30, 28911 Madrid, Spain

Prof. Dr. Concepción A. Monje
Carlos III University of Madrid, Calle Madrid, 126, 28903 Getafe, Madrid, Spain

Deadline for manuscript submissions:
closed (15 June 2022)

Message from the Guest Editors

Dear Colleagues,

In the last decades, a growing interest in humanoid robotics has been observed. Not surprisingly, a complete humanoid robot would be the holy grail of service robotics. A fully capable humanoid robot is presently almost as desirable as unreachable. Although impressive advances have been made, there is still a long way to go. There are still many problems that require robust solutions in order to develop such a robot:

- Human–robot interaction;
- Perception and sensor integration;
- Decision making and artificial intelligence;
- Locomotion (legged);
- Navigation (legged and wheeled);
- High- and low-level humanoid control;
- Humanoid applications of soft robotics;
- Low-cost humanoid manufacturing (including 3d printing).

The aim of this Special Issue is to propose potential solutions to these problems and therefore to contribute to the final purpose of building reliable and affordable humanoid robots.

Prof. Dr. Jorge Muñoz
Prof. Dr. Concepción A. Monje
Guest Editors