



Visual Servoing of Mobile Robots

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

Visual servoing of robots has been ongoing for quite some time: there are now more than forty years' worth of contributions on the topic, which follow the development of efficient robotic vision systems, improvements in the computational power of the informatic systems, the birth and growth of disciplines like machine learning and AI, and the many hardware and software tools which have contributed the increased efficiency of image processing methods. Improvements in the velocity, complexity, and precision of the images' elaborations, along with the evolution of increasingly efficient big data storage and computational systems, are rapidly expanding the boundaries of the visual servoing field.

However, mobile robotic systems, with their autonomous motion capabilities, remain the key field in which visual servoing finds both theoretical and applicative developments.

The aim of the present Special Issue is to collect results on classical problems as well as examples of new, advanced visual servoing techniques for mobile robots.

