Abstract

Many tiny robots have developed which walk in smooth surface but the problem face in complex terrain. Some wheel based robot move in flat surface only. In this paper, we studied some bio-inspired jumping robots like Grillo, Mini-Whegs, MSU jumper, EPFL. Because Jumping is used by small animals in nature, rough terrain and cluttered environment. These robots use energy store and release mechanism.

References

A Study of Bio-Inspired Jumping Robots

- Fei Li, Gabriella Bonsignori, Umberto Scarfoglieri, February 2008. Jumping mini-robot with Bi-inspired legs/
- G. A. Lambrecht, "A small, insect-inspired robot that runs and jumps", thesis Master of Science in Engineering, Department of Mechanical and Aerospace Engineering, Case Western Reserve University, January 2005.

Index Terms

Computer Science
Automation

Keywords
Bio-inspired Jumping Robot  Self-righting