

Special Issue

Biorobotic Locomotion and Cybernetic Control

Message from the Guest Editor

This Special Issue covers aspects of cybernetic control for coordinating biorobots. Feedback information is critical for exerting locomotive behaviors to adapt, change and perform dynamic motion-facing unpredictable scenarios and autonomously generate motion. This SI welcomes, but is not limited to, contributions from the following topics: Hybrid and multimodal locomotion of crawling, walking, swimming and flying robotics; the analysis and modeling of aerodynamics, hydrodynamics and terradynamics for biorobotic motion planning; structures modeling and biomechanics of robot fish, amphibious robots, ornithopters, multilegged and crawling machines; and locomotive functions, such as neuro cybernetic behavioral skills, robotic artificial life, neural sensorimotor tasks, synthetic intelligence, evolutionary robotics and control engineering.

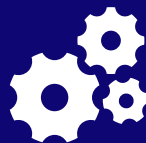
Guest Editor

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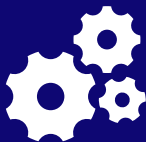


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Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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