

***Special Issue on  
Adaptive Motion of Animals and Machines***

Guest Editors: **Prof. Auke Ijspeert** (EPFL)  
**Prof. Akio Ishiguro** (Tohoku University)  
**Prof. Koh Hosoda** (Osaka University)

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One of the ultimate goals of Robotics is realizing adaptive behavior of robots in open and dynamically changing environment, as animals do. To engineer such adaptive intelligence, it is the most straightforward approach to mimic animals. Understanding mechanism for adaptive behavior of animals helps us realizing adaptive behavior of machines, and experimenting on machines to realize adaptive behavior helps us to find new view on biological systems. These two approaches are "two wheels of a cart" to understand the essence of adaptive intelligence.

Bio-inspired robotics and bio-mimetics have become popular in these several years, and the number of related researches is increasing. Not only superficial mimicry, but intrinsic copy of the animal function is realized, and as a result, amazing robot behavior comes about. The special issue will focus on such adaptive motion of animals and machines.

*Submission:* The full-length manuscript (either PDF file or MS word file) should be sent by **November 30, 2017** to the office of Advanced Robotics, the Robotics Society of Japan through the homepage of Advanced Robotics (<http://www.rsj.or.jp/ar/submission>). Instructions for authors and sample form of the manuscript are available at the homepage. Please send another copy to **Prof. Koh Hosoda** ([hosoda@sys.es.osaka-u.ac.jp](mailto:hosoda@sys.es.osaka-u.ac.jp)) for submission confirmation.