Call for Papers - Springer Journal of "Robotics and Biomimetics"

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Special Issue on Medical Robotics
Deadline for Paper Submission: June 30, 2014

Introduction:

Robotics and Biomimetics is a high-quality journal that publishes original theoretical and experimental work in Robotics and Biomimetics. Robotics, traditionally as an interdisciplinary area of engineering areas, has been rapidly growing since the 1970s. In recent years, biological science is bringing new breakthroughs in robotics science and technology, which in turn bring benefits to biomedicine.

Interactions between robotics and biology involve two aspects. On one hand, biological ideas and phenomena are inspiring innovations in every technical area in robotics including mechanisms, actuation, sensing, control, etc. On the other hand, applying robotics technology to biology and medicine is significantly contributing to new understandings of biological systems, and new methodologies in the field of medical robotics.

This special issue will focus on the recent advancements in medical robotics and its associated leveraging areas. The main topics include, but are not limited to:

- Rehabilitation Robotics
- Surgical Robotics
- Image-Guided Therapy
- Interventional Devices
- Human-in-the-loop System
- Computer-Assisted Surgery
- Tele-medicine
- Health monitoring
- Multi-modal sensor fusion
- Human-Robot Interactions
- Soft Medical Robotics
- Multi-modal sensor fusion
- Artificial Intelligence in Medical Robotics

**Submission Information:**

We invite you to contribute with original manuscripts based on your research related to the above-mentioned topics to this upcoming special issue. If you are interested in submitting, please use the online submission system to submit your manuscript. If you are submitting a manuscript to a particular Special Issue, please refer to its specific name in your covering letter. Each article published by Robotics and Biomimetics follows a specific format, as detailed in the corresponding instructions for authors.

For more information about the journal and paper submission, please visit the journal website: [http://www.jrobio.com/](http://www.jrobio.com/)

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Please indicate that you are submitting to the "Medical Robotics" Special Issue.

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