

# CALL FOR PAPERS

The growing number of people with severe disabilities caused by aging, diseases, and accidents loses their basic physical functions in daily life, which requires the knowledge and new technologies in rehabilitation. Robotic systems combined with Electromyography (EMG), Electroencephalogram (EEG), Functional Electrical Stimulation (FES), and Transcranial Direct Current Stimulation (tDCS) are used to help the disabled people to regain physical functions, augmenting the traditional rehabilitation by human therapists.

Developing devices which are optimal to patients by considering the human joint motions, the restoration theories of muscle and neuroscience, safety, and adaptability on recovery progress is the core of rehabilitation robotics. The efforts on practical rehabilitation theories, rich clinical experience, and accurate evaluation methods are also quite important.

We invite investigators to contribute original research articles as well as review articles that will promote better development of the rehabilitation robotics.

Potential topics include but are not limited to the following:

- ▶ Recent development in rehabilitation robotics research
- ▶ New methods of control in interactive robots such as active variable stiffness and damping control
- ▶ Development of new human-robotic-interface used in rehabilitation robotic control
- ▶ Virtual reality in rehabilitation

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jr/rhro/>.

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