

***Special Issue on  
Embodied-Brain Systems Science and  
Adaptive Intelligence***

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In order to establish effective rehabilitation techniques, elucidating the adaptation mechanism to the changes in body functions is required. Here, abnormalities in somatognosia can occur even in diseases that do not cause motor dysfunction. Thus the brain creates and maintains a model of the body. The purposes of research on Embodied-Brain systems science are to elucidate the neural mechanisms of the body representation in the brain and to apply these findings to rehabilitation interventions.

This special issue will focus on such adaptation mechanisms used in animals and robots. In particular, authors who perform collaborative research in brain science, rehabilitation medicine and engineering are encouraged to submit their work. Papers on all aspects of adaptive intelligence and neuroscience are welcome, including, but not limited to the following topics:

- Biological and physiological examinations of human and animals
- Modelling of brain and body dynamics
- Construction and experiments on artificial systems by utilizing robotic technologies

*Submission:* The full-length manuscript (either PDF file or MS word file) should be sent by **March 31, 2016** to the office of Advanced Robotics, the Robotics Society of Japan through the homepage of Advanced Robotics ([http://www.rsj.or.jp/advanced\\_e/submission](http://www.rsj.or.jp/advanced_e/submission)). Sample form of the manuscript as well as the Instruction for Authors is available at the homepage. Also, send another copy to **Prof. Jun Ota** ([ota@race.u-tokyo.ac.jp](mailto:ota@race.u-tokyo.ac.jp)) for submission confirmation.