
ADVANCED ROBOTICS Call for Papers

Special Issue on "Advanced Manipulation"

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Robotic manipulation has received increased attention in the last years due to the commercial availability of one and two arm platforms, and to the increasing interest in robotic applications from companies in various domains, including logistics and manufacturing. However, since the research on robotic manipulation has a long history, we can try to investigate the key technology of robotic manipulation for the future through reviewing the past. Emphasis of the special issue will be given to “open challenges and state-of-the-art techniques” and “novel algorithms, theories and their applications” on robotic manipulation. We expect to receive both original and review papers on robotic manipulation. The topic of the special issue includes, but are not limited to

- Manipulation Planning
- Multi-fingered Grasping
- Grasping Simulation
- Visual Feedback in Grasping/Manipulation
- Assembly
- Machine Learning in Grasping/Manipulation
- Force Control
- Tactile Sensing in Grasping/Manipulation
- Cognitive Approach in Grasping/Manipulation
- Factory Automation by using Grasping/Manipulation Technology

Submission: The full-length manuscript (either PDF file or MS word file) should be sent by **March 31, 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>). Sample form of the manuscript as well as the Instruction for Authors is available at the homepage.