

---

# ***ADVANCED ROBOTICS* Call for Papers**

---

## ***Special Issue on Innovative Drone Technology***

Guest Co-Editors: **Dr. Kenichi Ohara** (Meijo University, Japan)  
**Dr. Yasushi Morikawa** (National Institute of Advanced Industrial Science and  
Technology, Japan)  
**Prof. Masafumi Miwa** (Tokushima University, Japan)

Publication in Vol. 32, No. 15 (August 2018)

**SUBMISSION DEADLINE: 31 October 2017**

Recently, drone technology becomes one of the important ones in robotics field. Drone has flexible workspace compared with traditional mobile robot system. As this reason, drone technology has great possibilities to break ground for robotics fields. Drone can easily go into high place, which is one of the difficult target for traditional robot system. Hence, there are many research and development subjects, which are stabilization against strong wind, self-localization technique, to apply the drone to several applications.

This special issue will show recent achievements in research and development for drone technology for infrastructure inspection and its related works as follows:

- New system concept of drone
- Stable control strategy for large disturbance
- New mechanism and device of drone for infrastructure inspection
- Self localization techniques on unstable GPS signal environment
- How to realize safety inspection by drone.

Submission: The full-length manuscript (either PDF file or MS word file) should be sent by **October 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.