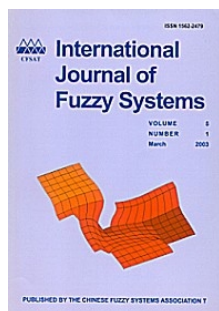


International Journal of Fuzzy Systems



SPECIAL ISSUE ON

Fuzzy Logic and Control in Robots

Manuscript due date: April 1, 2009

Notification date: July 15, 2009

Schedule for publication: September 1, 2009

Fuzzy control has been applied successfully to consumer electronics, industrial applications, and intelligent robots, for the last decade. It is found in some government or company reports that we could have robots in every home by 2015, 2020, or 2025. Fuzzy logic-based techniques could be used to describe or model the environment that robots stay. Fuzzy controllers could be utilized to drive the actuators of the wheels, legs, or arms of a robot; or to tell the robot where to go; or to determine which behavior the robot should perform; and so on. The main theme of this special issue is to design and implement autonomous robots by using fuzzy logic and control. Both theoretical and practical applications of fuzzy logic and control in robots are welcomed.

Authors are particularly invited to submit paper contributions including, but not limited to, the following topics:

- Autonomous mobile robots, car-like mobile robots
- Bio-mimetic robots
- Cleaning robots, home service robots
- Flying robots, underwater robots, robot fishes
- Humanoid robots, Android
- Music playing robots, entertainment robots
- Medical robots, nursing care robots
- Rescue robots, hazardous environment robots
- Soccer robots

Prospective authors are invited to submit their manuscripts to the guest editor given below with a statement that the submission is intended for this special issue. Only Microsoft word file or PDF files via email submission will be accepted (please follow the Style for Manuscript of IJFS, an SCI/EI indexed journal, <http://www.ijfs.org.tw/>).

Guest editor:

Professor Tzue-Hseng S. Li

aiRobots Lab., Department of Electrical Engineering

National Cheng Kung University

1 University Road, Tainan, Taiwan 70101, R.O.C.

Email: thsli@mail.ncku.edu.tw

Fax: +886 6 237 2789