

# Machine Intelligence and Robotic Control

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## Aims and Scope

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The emergence of softcomputing or computational intelligence technology inspired by biological and human intelligence is one of the most exciting and important fields to occur in engineering during the 1990s. It is widely believed that this technology will play a central role in the development of intelligent machine system, robotic system, and mechatronics system during the twenty-first century. The **Machine Intelligence and Robotic Control** (MIROC) will provide a global forum for the publication of all forms of machine intelligence and robotic control systems with softcomputing techniques. The MIROC will also cover advances in intelligent control and systems research, such as the latest techniques, applications, theoretical issues and novel approach to problems. Specific topics of interest to the journal include, but are not restricted to:

distribution and cooperation, autonomous distribution, multi-agents, kansei and emotional processing, decision making, intelligent control, knowledge and rule acquisition, sensing and active vision, virtual reality, human-machine interface, behavior-based control, fuzzy reasoning and control, neural networks, classifier system, pattern classification, genetic algorithms, genetic programming, evolutionary strategy, evolutionary hardware, artificial life, chaos, fractal, complex systems, self-organization, optimization, adaptation, and learning algorithms including Q-learning.

# Machine Intelligence and Robotic Control (MIROC)

## Information for Contributors

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#### Letters:

This section provides a vehicle for speedy publication of new results and information of machine intelligence and robotic control. Focus will be directed to practical design and applications-oriented contributions, but publication in this section will not be restricted to this material. These letters are to concentrate on reporting the results obtained, their significance and the conclusions, while including only the minimum of supporting details required to understand the contribution.

#### News:

*Calendar of Meetings* --- This section reports brief details of forthcoming conferences, symposia, and workshops featuring machine intelligence and robotic control. Details should include: title, date, location and contact points.

*Announcements and Calls for Papers* --- This section publishes detailed information on forthcoming events, including: topics covered, program committee, submission procedures and deadlines.

*Conference Reports* --- This section summarizes important events and provides readers with topical information in machine intelligence and robotic control, or in related fields.

*Introduction of Laboratory* --- This section introduces a laboratory managed by the researchers who are now actively working in the related fields.

### Special Issues

Suggestions for special issues are welcome. To **propose a special issue**, a one-page proposal should be submitted to the Editor-in-Chief or any of the Advisory Editors, containing the following information: title; purpose; scope; a list of potential contributors and tentative paper titles; time-table (submission and review deadlines, intended publication date); and guest editor's address, phone, fax and e-mail address. Once approved, the guest editor will be fully responsible for the special issue and should follow the normal review procedure of MIROC.

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