

**THE FOURTEENTH INTERNATIONAL SYMPOSIUM
ON
ARTIFICIAL LIFE AND ROBOTICS
(AROB 14th '09)**

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HISTORY

This symposium was founded in 1996 by the support of Science and International Affairs Bureau, Ministry of Education, Culture, Sports, Science and Technology, Japanese Government. Since then, this symposium has been held every year at B-Con Plaza, Beppu, Oita, Japan except in Oita, Japan (AROB 5th '00) and in Tokyo, Japan (AROB 6th '01). The Fourteenth symposium will be held on 5– 7 February, 2009, at B-Con Plaza, Beppu, Oita, Japan. This symposium invites you all to discuss development of new technologies concerning Artificial Life and Robotics based on simulation and hardware in the twenty first century.

OBJECTIVE

The objective of this symposium is the development of new technologies for artificial life and robotics which have been recently born in Japan and are expected to be applied in various fields. This symposium will discuss new results in the field of artificial life and robotics.

GENERAL SESSION TOPICS

Artificial intelligence	Artificial life
Artificial living	Artificial mind research
Bioinformatics	Brain Science
Chaos	Cognitive Science
Complexity	Computer graphics
DNA computing	Evolutionary computations
Fuzzy control	Genetic algorithms
Human-machine cooperative systems	Human-welfare robotics
Innovative Computations	Micromachines
Mobile vehicles	Multi-agent systems
Nano-biology	Nano-robotics
Neural networks	Pattern recognition
Robotics	Robust Virtual Engineering
Virtual reality	Others

ORGANIZED SESSION TOPICS

Intelligent Control	Intelligent Robot
Robotics and Control	Automata and Control
Bioinformatics and Intelligent Classification (1)	Bioinformatics and Intelligent Classification (2)
Soft Robotics	Learning and Robotics
Dynamical Information Processing in the Brain	Measurement and Control
Bio-inspired Theory and Application	Session of Economics and Management
Intuitive Human-System Interaction	Intelligent Systems
Biomimetic Machines and Robots	Embracing Complexity in Natural Intelligence
Intelligent Control and Robotics	

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Accepted papers will be published in the proceeding of AROB and some of high quality papers in the proceeding will be requested to re-submit their papers for the consideration of publication in an international journal ARTIFICIAL LIFE AND ROBOTICS and APPLIED MATHEMATICS AND COMPUTATION. All correspondence related to the symposium should be addressed to AROB Secretariat.

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