

**THE THIRTEENTH INTERNATIONAL SYMPOSIUM
ON
ARTIFICIAL LIFE AND ROBOTICS
(AROB 13th '08)**

ORGANIZED BY

Organizing Committee of International Symposium on Artificial Life and Robotics
(Department of Electrical and Electronic Engineering, Oita University, Japan)

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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 thirteenth symposium will be held on 31 January – 2 February, 2008, 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	Chaos
Complexity	Computer graphics
DNA computing	Evolutionary computations
Fuzzy control	Genetic algorithms
Human-machine cooperative systems	Micromachines
Mobile vehicles	Multi-agent systems
Neural networks	Pattern recognition
Robotics	Virtual reality
Others	

ORGANIZED SESSION TOPICS

Automata and Picture Languages	Bio-inspired Theory and Application
Biomimetic Machines and Robots	Control and measurement
Embracing Complexity in Natural Intelligence	Image Processing and Control for Robot
Intelligent Classification	Intelligent Control and Sensing for Robot
Intelligent System for Bioinformation	Intuitive Human-System Interaction
Membrane Computing – Hardware Aspects	
Modelling and Analysis on Complex Systems	Robotics and Learning Control
Robot-oriented & human-machine cooperative systems	
Simplicity and Complexity	Soft Robotics
Ubiquitous Intelligent Control	Unconventional Computing

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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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