

**THE TWELFTH INTERNATIONAL SYMPOSIUM
ON
ARTIFICIAL LIFE AND ROBOTICS**

(ARO B 12th '07)

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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 twelfth symposium will be held on 25-27 January, 2007, 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.

TOPICS

Artificial brain research
Artificial intelligence
Artificial life
Artificial living
Artificial mind research
Bioinformatics
Brain science
Chaos
Cognitive science
Complexity
Computer graphics
Evolutionary computations
DNA computing
Fuzzy control
Genetic algorithms
Human-machine cooperative systems
Human-welfare robotics
Innovative computations
Intelligent control and modeling

The Twelfth International Symposium on Artificial Life and Robotics 2007(AROB 12th '07),
B-Con Plaza, Beppu, Oita, Japan, January 25-27, 2007

Micromachines
Micro-robot world cup soccer tournament
Mobile vehicles
Molecular biology
Multi-agent systems
Nano-biology
Nano-robotics
Neural networks
Neurocomputers
Neurocomputing technologies and its application for hardware
Pattern recognition
Robotics
Robust virtual engineering
Virtual reality
Others

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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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