

**Call for Papers**  
**The Twelfth International Symposium on**  
**ARTIFICIAL LIFE AND ROBOTICS**  
**(AROB 12th '07)**

**for Information Technology**

**January 25-January 27, 2007**

**B-Con Plaza, Beppu, Oita, JAPAN**

- ORGANIZED BY** : Organizing Committee of International Symposium on Artificial Life and Robotics (Department of Electrical and Electronic Engineering, Oita University, Japan)
- OPERATED BY** : Santa Fe Institute (SFI, USA)  
The Society of Instrument and Control Engineers (SICE, Japan)  
The Robotics Society of Japan (RSJ, Japan)  
The Institute of Electrical Engineers of Japan (IEEJ, Japan)  
Institute of Control, Automation and Systems engineers (ICASE, Korea)  
Chinese Association for Artificial Intelligence (CAAI, China)
- CO-OPERATED BY** : ISICE, IEICE, IEEE Japan Council, JARA
- SUPPORTED BY** : Japan Society for the Promotion of Science (JSPS)
- GENERAL CHAIRMAN** : Masanori Sugisaka (Oita University, Japan)
- VICE CHAIRMAN** : John Casti (Santa Fe Institute, USA)  
Ju-Jang Lee (KAIST, Korea)  
Y.G. Zhang (Academia Sinica)
- PROGRAM CHAIRMAN** : Hiroshi Tanaka (Tokyo Medical & Dental University, Japan)

**OBJECTIVE OF 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.

**DEADLINES :**

Internet submission of a 400-600 word-long abstract of a paper in English, September 15, 2006  
(<http://arob.cc.oita-u.ac.jp/abstract/>)  
Notification of acceptance of papers, September 30, 2006  
Submission of the full text of the paper (camera-ready manuscript), October 15, 2006

**TOPICS :**

Artificial Brain Research	Fuzzy Control	Mobile Vehicle
Artificial Intelligence	Genetic Algorithms	Nano-biology
Artificial Life	Human-Machine	Nano-robotics
Artificial Living	Cooperative Systems	Neurocomputers
Artificial Mind Research	Human-Welfare Robotics	Neural Networks
Bioinformatics	Intelligent Control	Neuro computing Technologies and
Brain Science	and Modeling	Their Applications for Hardware
Chaos	Innovative Computations	Robotics
Complexity	Micro-Robot World Cup	Robust Virtual Engineering
Cognitive Science	Soccer Tournament	Related Fields
Computer Graphics	Molecular Biology	
Evolutionary Computations	Micromachines	

**All correspondence related to the symposium should be addressed to :**

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**PUBLICATION :**

Accepted papers will be published in the Proc. of AROB and some of high quality papers in the Proc. will be requested to re-submit for the consideration of publication in a new international journal ARTIFICIAL LIFE AND ROBOTICS (Springer) and APPLIED MATHEMATICS AND COMPUTATION (North-Holland) etc .

