

AIMS AND SCOPE

The objective of this journal 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 journal presents original technical papers and authoritative state-of-the-art reviews on the development of new technologies concerning artificial life and robotics, especially computer-based simulation and hardware for the twenty-first century. This journal covers a broad multidisciplinary field, including areas such as:

Artificial intelligence & complexity

Artificial living

Artificial mind research

Artificial nervous systems for robots

Artificial sciences

Bipedal robot

Brain science and computing

Chaos

Cognitive science

Computational Molecular biology

Computer graphics

Data mining

Disasters robotics

DNA computing

Empirical research on network and MOT

Environment navigation and localization

Evolutionary computations

Facial expression analysis, music recommendation and augmented reality

Foundation of computation and its application

Fuzzy control

Genetic algorithms

Human-welfare robotics

Image processing

Insect-like aero vehicles

Intelligence in biological systems

Intelligent control

Management of technology

Medical surgical robot

Micro-machines
Multi-agent systems
Nano-biology
Nano-robotics
Networking
Neural circuits
Neuro-computer
Neuromorphic Systems
Neuroscience
Pattern recognition
Quantum computing
Reinforcement learning system & genetic programming
Robotics
Software development support method
System cybernetics
Unmanned underwater vehicles
Unmanned Aerial Systems Technologies
Unmanned Aerial Systems designing, controls and navigation
Unmanned Aero vehicles
Virtual reality
Visualization
Hardware-oriented submissions are particularly welcome. This conference will discuss new results in the field of artificial life and robotics

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