

AROB 23rd 2018



The Twenty-Third International Symposium on
Artificial Life and Robotics

January 18-20, 2018, B-Con Plaza, Beppu, Japan

Call for Papers

The Twenty-Third International Symposium on Artificial Life and Robotics will be held in Beppu, Oita, Japan, January 18-20, 2018. This symposium will bring together researchers to discuss development of new technologies concerning *artificial life and robotics* based on computer simulations and hardware designs of state-of-the-art technologies, and to share findings on how advancements in artificial life and robotics technologies that relate to artificial intelligence, virtual reality, and computer science are creating the basis for exciting new research and applications in various fields listed in the following topics:

Topics of interest include, but are not limited to

Agent-based modelling	Data mining	Multi-agent systems
Artificial brain	DNA computing	Nano-biology
Artificial intelligence	Evolutionary computations (Genetic algorithm)	Nano-robot
Artificial life	Genome/Omics medicine	Neural networks
Artificial living	Human-machine interaction and collaboration	Neurocomputing technologies and its application for hardware
Artificial mind	Identification and Estimation	Quantum computing
Bio-robot	Intelligent control	Regenerative medicine
Biocomplexity	Learning	Robot vision and image processing
Bioinformatics	Manipulator	Robotic Mechanism
Biological evolution	Medical informatics	Sensor and multi-sensor data fusion
Biomedical Imaging	Mobile robots	Swarm intelligence
Brain science	Molecular biology	Swarm robot
Chaos	Molecular network	Tele-operation
Cognitive science	Motion planning and navigation	Walking robot
Complexity		
Control techniques		

Important Dates

Abstract Submission Deadline	October 16, 2017
OS Proposal Deadline	October 9, 2017
Notification of Acceptance	November 1, 2017
Paper Submission Deadline	December 14, 2017
Early Registration Deadline	December 14, 2017
Registration Deadline for Presenters	December 14, 2017

Publication

Accepted papers will be published in the Proceedings of the AROB. Extended versions of the selected papers will be published in the international journal : **ARTIFICIAL LIFE AND ROBOTICS**, Springer Japan.

Get more information from
<http://isarob.org/symposium/>

Beppu Onsen Guide

Beppu is one of the oldest and most famous hot spring areas in Japan.

The city is divided into eight major hot spring areas known as Beppu Hattō (別府八湯).



Beppu Onsen

Close to Beppu Station in the center of town. Beppu Onsen is the most popular area in Beppu.



Ekimae-Kotō Onsen

Two-minute walk from the station.



Takegawara Onsen

Originally built in 1879. Located a short Seven-minute walk from the station.

A bamboo thatched roof and elaborate facade is a symbol of Beppu Onsen.

Myoban Onsen

Located on the hill facing Beppu Bay. Visitors enjoy several types of thermals such as mud bath or milky water bath accompanied by a distinctive sulphuric odor. Bath salt called “yunohana” is continuously being made at the thatched Yunohana Goya.



Mud Bath



Yunohana Goya

Beppu Jigoku Meguri

Beppu Jigoku Meguri, literally means “The Hell Tour of Beppu”, is the trip that visits the eight interesting hot springs in Beppu.

Six of the eight “Jigoku” are located in Kannawa Area and the others in Kamegawa Area.



Umi Jigoku



Chinoike Jigoku



Bouzu Jigoku



Shiraike Jigoku