

# AROB 24th 2019



The Twenty-Fourth International Symposium on  
Artificial Life and Robotics

January 23-25, 2019, B-Con Plaza, Beppu, Japan

## Call for Papers

The Twenty-Fourth International Symposium on Artificial Life and Robotics will be held in Beppu, Oita, Japan, January 23-25, 2019. 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	<b>October 23, 2018</b>
OS Proposal Deadline	<b>October 16, 2018</b>
Notification of Acceptance	<b>November 1, 2018</b>
Paper Submission Deadline	<b>December 18, 2018</b>
Early Registration Deadline	<b>December 18, 2018</b>
Registration Deadline for Presenters	<b>December 18, 2018</b>

### 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  
<https://isarob.org/symposium/>

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International Society of Artificial Life and Robotics (ISAROB)

## Co-Organized BY

The Institute of Electrical Engineers of Japan (IEEJ, Japan)

The Institute of Electronics, Information and Communication Engineers (IEICE, Japan)

## Co-Operated by

The Society of Instrument and Control Engineers (SICE, Japan)

The Robotics Society of Japan (RSJ, Japan)

The Institute of Systems, Control and Information Engineers (ISCIE, Japan)

IEEE Robotics and Automation Society Japan Chapter

Japan Association for Omics-based Medicine (JSOM, Japan)

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