

THE TWENTY-SIXTH INTERNATIONAL SYMPOSIUM ON
ARTIFICIAL LIFE AND ROBOTICS

(AROB 26th 2021)

AND

THE SIXTH INTERNATIONAL SYMPOSIUM ON
BIOCOMPLEXITY

(ISBC 6th 2021)

ORGANIZED BY

International Society of Artificial Life and Robotics (ISAROB)

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The Institute of Electrical Engineers of Japan (IEEEJ, 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)

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HISTORY

The AROB was founded in 1996 under the support of Science and International Affairs Bureau, Ministry of Education, Culture, Sports, Science and Technology, Japanese Government. Since then, the symposium organized by the AROB has been held every year at B-Con Plaza, Beppu, Japan except AROB 5th '00 (Oita), AROB 6th '01 (Tokyo) and AROB 18th '13 (Daejeon, Korea). The twenty-sixth symposium will be held on January 21–23, 2021, ONLINE.

OBJECTIVE

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.

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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. All correspondence related to the symposium should be addressed to AROB Secretariat.

AROB Secretariat

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GENERAL SESSION TOPICS

Agent-based modelling
Artificial intelligence
Artificial life & Chaos
Bioinformatics & Medical Informatics
Control techniques
Data mining
Human-machine interaction and collaboration
Identification and estimation
Intelligent control
Machine learning
Mobile robots
Motion planning and navigation
Multi-agent systems
Neural networks
Robotic mechanism
Robot vision and image processing
Sensor and multi-sensor data fusion
Swarm robot & Swarm intelligence

ORGANIZED SESSION TOPICS

Bioinspiration and Robotics
Bio-inspired Theory and Applications/td>
Biomimetic Machines and Robots
Design and Control of Robotic System
Learning and Control
Robotics with Intelligence and/or Informatics
Social simulation and HPC
System Sensing and Its Applications

AI in Medicine
Complexity and Information