



The 2023 International Conference on Artificial Life and Robotics

(ICAROB2023)

28th AROB Anniversary

Call for Papers

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Usa Shrine (Before BC era three goddesses "Shikitusima-himemikoto, Hasizu-himemikoto, Tagiri-himemikoto descended on the earth of Usa from heaven.) The shrine is called Total Motomiya Hachiman Shrine Usa located in Oita Prefecture.

The 2023 International Conference on Artificial Life and Robotics

February 9 to 12, 2023

The 2023 International Conference on Artificial Life and Robotics (ICAROB2023) will be held at **B-Con Plaza, Beppu, Oita or on-line, JAPAN, from February 9 to 12, 2023.** A series of Proceedings of ICAROB are included in both **CPCI-Web of Science** and **Scopus**. This Conference will provide new development of modern technologies concerning **Robotics, Networking and Artificial Life (this journal is included in ESCI)** associated with computer simulations, hardware designs, and networking of state-of-the-art technologies to researchers, and to share findings on how advancements in robotics, networking, complexity and artificial life technologies that relate to inter-disciplinary approach to the field such as 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. **Please submit papers to ICAROB2022 Office** (email to icarob@alife-robotics.co.jp). website: <https://alife-robotics.co.jp/>

Topics of interest include, but are not limited to

- Analysis of randomized algorithms
- Artificial nervous systems for robots
- Artificial living
- Bipedal robot
- Bio-inspired immune system
- Cognitive science
- Evolutionary computations
- Intelligent control
- Medical surgical robot
- Computational Molecular biology
- Nano-robotics
- Neuroscience
- Neuro-computer
- Neuromorphic systems
- Reinforcement learning system & genetic programming
- Software development support method
- System cybernetics
- Foundation of computation and its application
- Unmanned aerial systems technologies
- Artificial sciences
- Artificial mind research
- Brain science and computing
- Artificial intelligence & complexity
- adaptive behavior and metabolism
- Data mining
- Fuzzy control
- Human-welfare robotics
- Micro-machines
- Multi-agent systems
- Networking
- Pattern recognition
- Virtual reality
- Environment navigation and localization
- Facial expression analysis, music recommendation and augmented reality
- Applications in Kansei engineering
- Unmanned aero vehicles
- Unmanned aerial systems designing, controls and navigation
- Intelligence in biological systems
- Agent-based software
- Chaos
- Computer graphics
- DNA computing
- Genetic algorithms
- Image processing
- Management of technology
- Insect-like aero vehicles
- Nano-biology
- Neural circuits
- Unmanned underwater vehicles
- Quantum computing
- Robotics
- Visualization
- Disasters robotics
- Empirical research on network and MOT (Others etc.)

Conference Site (B-Con Plaza, Beppu, Oita or online, Japan)



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Important Dates

November 25, 2022: PS, IS, OS, GS, Poster S, TS abstract proposal submission deadline

• **November 25, 2022:** Final early bird registration deadline

• **November 28, 2022:** Letter of Acceptance deadline

• **December 15, 2022: (we don't accept papers after deadline): Final paper submission deadline**

OS: Organized Session, GS: General Session, PS: Poster Session, IS: Invited Session, TS: Tutorial Session

Publication

Accepted papers will be published in the Proceedings of the ICAROB Series that was included in **Scopus** and **CPCI-Web of Science**. Extended versions of the selected papers will be published in the international journal : **Robotics, Networking and Artificial Life (JRNAL became ESCI & Scopus journal)** published by **Sugisaka Masanori & Advances in Artificial Life Robotics** (JAALR to be soon indexed by Scopus) published by **Sugisaka Masanori**.

Registration Fee

Registration fee ¥55,000 (¥50,000 for early birds) and ¥30,000 for Students (¥25,000 for early birds) :

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