The 2019 International Conference on Artificial Life and Robotics (ICAROB2019)
24th AROB Anniversary

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

The 2019 International Conference on Artificial Life and Robotics

January 10 to 13, 2019, B-Con Plaza, Beppu, Oita, JAPAN

The 2019 International Conference on Artificial Life and Robotics (ICAROB2019) will be held at **B-Con Plaza, Beppu, Oita, JAPAN, from January 10 to 13, 2019.** *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 ICAROB2019 Web Site from http://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 programing
- 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.)

Important Dates

- **September 25, 2018** — OS,GS,PS,IS,TS proposal submission due date
- **October 15, 2018** — Final early bird registration due date
- **October 15, 2018** — Letter of acceptance date
- **November 15, 2018** — Final paper submission due date

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 journal) published by **Atlantis Press.**

Call for Papers

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Conference Site

http://www.b-conplaza.jp/

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IEEE
Advancing Technology for Humanity
Fukuoka Section

IEEE Robotics & Automation Society
Pending

AAI

ALife Robotics

http://www.japan-guide.com/e/e4700.html

Registration Fee

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

Organized by
International Steering Committee of International Conference on Artificial Life and Robotics (ICAROB)

Technical co-sponsored by
IEEE Robotics and Automation Society (USA) (Pending)
IEEE Fukuoka Section (Japan)

Co-Organized by
Chinese Association for Artificial Intelligence (CAAI, P. R. China)

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