



# The 2018 International Conference on Artificial Life and Robotics (ICAROB2018) 23rd 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 2018 International Conference on Artificial Life and Robotics

February 1 to 4, 2018, B-Con Plaza, Beppu, Oita, JAPAN

The 2018 International Conference on Artificial Life and Robotics (ICAROB2018) will be held at B-Con Plaza, Beppu, Oita, JAPAN, from February 1 to 4, 2018. 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 interdisciplinary 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 ICAROB2018 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
- 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
- Unmanned aerial systems designing, controls and navigation
- 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
- 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

- **October 15, 2017** Abstract submission due date
  - **October 15, 2017** OS,GS,PS,IS,TS proposal submission due date
  - **October 20, 2017** Final early bird registration due date
  - **October 25, 2017** Notification of acceptance date
  - **November 10, 2017** 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**.

#### 1st Call for Papers

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#### Conference Site



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

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## 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)  
IEEE Fukuoka Section (Japan)

### Co-Organized by

Chinese Association for Artificial Intelligence (CAAI, P. R. China)

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ICAROB society (ALife Robotics Corporation Ltd.)

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