The 2016 International Conference on Artificial Life and Robotics (ICAROB 2016)
21st AROB Anniversary

1st Call for Papers

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Conference Site

http://www.oki-conven.jp/

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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 2016 International Conference on Artificial Life and Robotics

January 29-January 31, 2016
Okinawa Convention Center, Ginowan, JAPAN

The 2016 International Conference on Artificial Life and Robotics (ICAROB 2016) will be held at Okinawa Convention Center, Ginowan, JAPAN, from January 29 to 31, 2016. This Conference will provide new development of modern technologies concerning *Robotics, Networking and Artificial Life* 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 ICAROB 2016 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 programing
- 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

- **November 25, 2015**   Abstract submission due date
- **November 25, 2015**   OS,GS,PS and Tutorial Session proposal submission due date
- **November 25, 2015**   Final early bird registration due date
- **November 30, 2015**   Notification of acceptance date
- **December 20, 2015**   Final paper submission due date

OS: Organized Session, GS: General Session, PS: Poster Session

Publication

Accepted papers will be published in the Proceedings of the ICAROB. Extended versions of the selected papers will be published in the international journal：**Robotics, Networking and Artificial Life** (will be indexed by SCI, EI and SCOPUS) (http://www.atlantis-press.com/publications/jrnal/) published by **Atlantis Press**.

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

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