The 2017 International Conference on Artificial Life and Robotics (ICAROB 2017)
22nd AROB Anniversary

January 19 to 22, 2017, Seagaia Convention Center, Miyazaki, JAPAN

The 2017 International Conference on Artificial Life and Robotics (ICAROB 2017) will be held at Seagaia Convention Center, Miyazaki, JAPAN, from January 19 to 22, 2017. 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 2017 Web Site from http://alife-robotics.co.jp/.

Topics of interest include, but are not limited to

- Analysis of randomized algorithms
- Artificial neural systems for robots
- Artificial liver
- Bipedal robot
- Cognitive science
- Evolutionary computations
- Intelligent control
- Medical surgical robot
- Computational Molecular biology
- Nano-robotics
- Neuroscience
- Neuro-computer
- Neuro-morphic 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 disaster engineering
- Unmanned aerial vehicles
- Intelligence in biological systems
- Agents-based software
- Chaos
- Computer graphics
- DNA computing
- Genetic algorithms
- Image processing
- Management of technology
- Insect-like 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 10, 2016: Abstract submission due date
- November 10, 2016: OS, GS, PS and Tutorial Session proposal submission due date
- November 10, 2016: Final early bird registration due date
- November 20, 2016: Notification of acceptance date
- November 30, 2016: 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/jnal/) published by Atlantis Press.
Banquet fee is FREE because ALife Robotics Co. Ltd. will defray the expenses. Welcome to Banquet!

Registration fee ¥35,000 (¥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)

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IEEE Robotics and Automation Society (USA)
IEEE Fukusaki Section (Japan)

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