The 2020 International Conference on Artificial Life and Robotics (ICAROB2020)
25th AORB Anniversary

Call for Papers
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Conference Site
http://www.b-conplaza.jp/
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The 2020 International Conference on Artificial Life and Robotics (ICAROB2020) will be held at B-Con Plaza, Beppu, Oita, JAPAN, from January 13 to 16, 2020. 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 ICAROB2020 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 robots
- Bio-inspired immune system
- Cognitive science
- Evolutionary computations
- Intelligent control
- Medical surgical robot
- Computational Molecular biology
- Nano-robots
- 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
- 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 Kernel engineering
- Unmanned aerial vehicles
- Unmanned aerial systems networking, controls and navigation
- Intelligence in biological systems
- Agent-based software
- Chaos
- Computer graphics
- DNA computing
- Genetic algorithms
- Image processing
- Management of technology
- Insect-like aerial 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, 2019: OS, GS, PS, IS, TS abstract proposal submission deadline
- November 10, 2019: Final early bird registration deadline
- November 13, 2019: Letter of acceptance deadline
- December 15, 2019: (we don’t accept papers after due date) Final paper submission deadline


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 (JRNL became ESCI Journal) published by Atlantis Press.
**Banquet fee is FREE because ALife Robotics Co. Ltd., will defray the expenses. Welcome to Banquet!**

**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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