

The 2018 International Conference on **Artificial Life and R** (ICAR0B2018) nniversa ARAR

1st Call for Papers

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Conference Site



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

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http://www.japanguide.com/e/e4700.html



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

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- Reinforcement learning system & genetic progra
- oftware development support met System cybernetics
- oundation of computation and its application
- Inmanned 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 metaboli Data mining Fuzzy contro Human-welfare robotics Micro-machines Multi-agent systems Networking Pattern recognition Virtual reality Environment navigation and localization Facial expression analysis, music recommendation mented reality and a Applications in Kansei engineering Unmanned aero vehicles

- Intelligence in biological systems
- Agent-based software
- Chaos Computer graphics
- DNA computing Genetic algorithms
- Image processing ement of technolog
- nsect-like aero vehicles
- Nano-b
- Neural circuits
- Unmanned under ater vehicles Quantum computing
- Robotics
- Visualization
- Disasters robotics
 - Empirical research on network and MOT (Others etc.)
- **Important Dates**
- Abstract submission due date October 15, 2017 OS,GS,PS,IS,TS proposal submission due date
- October 15, 2017
 - October 20, 2017
- October 25, 2017
- November 10, 2017

Final paper submission due date

OS: Organized Session, GS: General Session, PS: Poster Session, IS: Invited Session, TS: Tutorial Session

Notification of acceptance date

Final early bird registration due date

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.

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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