



Call for Papers

Honorary General Chair
Masanori Sugisaka

General Chair
Takao Ito

Co-General Chairs
Yingmin Jia
Ju-Jang Lee

Advisory Committee Chairs

Eiji Hayashi
Jeffrey Johnson
Kazuo Ishii
Kensuke Harada
Takashi Kohno

Vice General Chairs

Ang, Chun Kit
John L. Casti
Katia Passerini
Henrik Hautop Lund
Luigi Pagliarini
Mohd Rizon
Norrima Mokhtar

Program Chair

Makoto Sakamoto

Co-Program Chair

Marion Oswald

Conference Site
(J:COM HorutoHall, Oita, Japan)



J:COM HorutoHall

ICAROB Office

Mobile: +81-80-8565-8256
email: icarob@alife-robotics.co.jp
web: <https://alife-robotics.co.jp/>
or <https://alife-robotics.org/>



Fukuoka Section



CCAI

The Society of Artificial Life
and Robotics

<https://arobcorp.org/eng/>

The International Conference on Artificial Life and Robotics 2027 (ICAROB2027) 32nd AROB Anniversary



Usa Shrine (Before BC era three goddesses "Shikitsima-himemikoto, Hasizu-himemikoto, Tagiri-himemikoto descended on the earth of Usa from heaven.) The shrine is called Total Motomiya Hachiman Shrine Usa located in Oita Prefecture.

The 2027 International Conference on Artificial Life and Robotics

J:COM HorutoHall, Oita, January 7 to 10, 2027

The International Conference on Artificial Life and Robotics 2027 (ICAROB2027) will be held at **J:COM HorutoHall, Oita, Japan, from January 7-10, 2027**. The conference will also offer remote synchronous participation via Zoom video conferencing software. This Conference will provide new development of modern research associated with computer simulations, hardware designs, and networking of state-of-the-art technologies to participants, and share findings of advancements in robotics, networking, complexity systems and artificial life technologies including artificial intelligence, virtual reality, and computer science. The topics of new research and applications in various fields listed as below.

Topics of interest include, but not limited to

- Analysis of randomized algorithms
- Artificial nervous systems for robots
- Artificial living
- Bipedal robot
- Bio-inspired immune system
- Cognitive science
- Evolutionary computations
- Intelligent control
- Medical surgical robot
- Computational Molecular biology
- Nanorobotics
- Neuroscience
- Neurocomputer
- Neuromorphic 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 Kansei engineering
- Unmanned aero vehicles
- Unmanned aerial systems designing, controls and navigation
- 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

Important Dates

- Deadline for PS, IS, OS, GS, Poster S, TS abstract proposal submission: **November 9, 2026**
- Deadline for Final early bird registration: **November 23, 2026**
- Notification of acceptance/rejection: **November 20, 2026**
- Deadline for final paper submission: **December 7, 2026 (Warning: We don't accept papers after deadline!)**

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

Publication

All conference submissions will undergo double-blind peer review by three members of the international program committee. All submissions must strictly follow the submission guidelines available on the conference webpage. **Accepted papers will be published in the Proceedings of the ICAROB Series indexed by Scopus and CPCI-Web of Science.** Extended versions of the selected papers will be published in the international journals of *Robotics, Networking and Artificial Life (JRNAL)* indexed by *ESCI & Scopus* published by The Society of Artificial Life and Robotics and *Advances in Artificial Life Robotics* (JAALR to be expected indexed by Scopus) published by The Society of Artificial Life and Robotics. **Please submit papers to ICAROB Office** (Email address: icarob@alife-robotics.co.jp, Website: <https://alife-robotics.co.jp/>).

The banquet fee is FREE because The Society of Artificial Life and Robotics will defray the expenses.

Welcome to the 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 Fukuoka Section (Japan)

Co-Organized by

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

Sponsored by

The Society of Artificial Life and Robotics

Honorary General Chair

Masanori Sugisaka (ALife Robotics Co., Ltd., Japan)

General Chair

Takao Ito (Hiroshima University, Japan)

Co- General Chairs

Yingmin Jia (Beihang University, P. R. China)

Ju-Jang Lee (KAIST, Korea)

Advisory Committee Chairs

Eiji Hayashi (Kyushu Institute of Technology, Japan)

Jeffrey Johnson (The Open University, UK)

Kazuo Ishii (Kyushu Institute of Technology, Japan)

Katia Passerini (Seton Hall University, USA)

Kensuke Harada (Osaka University, Japan)

Takashi Kohno (University of Tokyo, Japan)

Vice General Chairs

Ang, Chun Kit (University of UCSI, Malaysia)

John L. Casti (International Institute for Applied Systems Analysis, Austria)

(The company X-Event Dynamics - (Co-founder), Austria)

Katia Passerini ((Seton Hall University, USA)

Henrik Hautop Lund (Technical University of Denmark, Denmark)

Advisory Committee

Bruce Eisenstein (Drexel University, Former IEEE President, USA)

Jeffrey Johnson (The Open University, UK)

Joshua M. Epstein (The Johns Hopkins University, USA)

Ken-ichi Tanaka (Executive Fellow, Mitsubishi Electric Corporation, Japan)

Luigi Pagliarini (Academy of Fine Arts of Macerata, Italy)

Mohd Rizon (University of UCSI, Malaysia)

Norrma Mokhtar (University of Malaya, Malaysia)

Ren C. Luo (National Taiwan University, Taiwan)

Masato Nakagawa (Executive Fellow, DENSO CORPORATION, Japan)

Moshe Kam (New Jersey Institute of Technology, Former IEEE President, USA)

Paul Kalata (Drexel University, USA)

Peter Herczfeld (Drexel University, USA)

Program Chair

Makoto Sakamoto (Miyazaki Sangyo-keiei University, Japan)

Co-Program Chair

Marion Oswald (The Vienna University of Technology, Austria)

International Organizing Committee

Akira Nakamura (AIST, Japan)

Akinori Abe (Chiba University, Japan)

Andrew Gadsden (University of Guelph, Canada)

Caoli Wang (University of Shanghai for Science and Technology, P. R. China)

Chan Gook Park (Seoul National University, Korea)

Chung-Wen Hung (National Yunlin University of Science & Technology, Taiwan)

Dengchuan Cai (National Yunlin University of Science & Technology)

Eiji Hayashi (Kyushu Institute of Technology, Japan)

Evgeni Magid (Kazan Federal University, Russia)

Fengzhi Dai (Tianjin University of Science and Technology, P.R. China)

Fuzhong Wang (Henan Polytechnic University, P. R. China)

Hazry Desa (University of Malaysia, Perlis, Malaysia)

Hidehiko Yamamoto (Gifu University, Japan)

Hideyuki Suzuki (The University of Tokyo, Japan)

Hiroaki Wagatsuma (Kyushu Institute of Technology, Japan)

Hiroki Tamura (The University of Miyazaki, Japan)

Hiroshi Kage (Mitsubishi Electric Corporation, Japan)

Hiroshi Matsuno (Yamaguchi University, Japan)

Huailin Zhao (Shanghai Institute of technology, P. R. China)

Jiwu Wang (Beijing Jiaotong University, P. R. China)

Jovana Jovic (CNRS-AIST JRL, Japan, France)

Junping Du (Beijing University of Posts and Telecommunications, P. R. China)

Katsunori Shimohara (Doshisha University, Japan)

Kazuo Ishii (Kyushu Institute of Technology, Japan)

Kunikazu Kobayashi (Aichi Prefectural University, Japan)

Kuo-Hsien Hsia (National Yunlin University of Science and Technology, Taiwan)

Ryusuke Kawamura (The University of Miyazaki, Japan)

Masao Kubo (National Defense Academy of Japan, Japan)

Maxim Sokolov (Innopolis University, Russia)

Mehta Rajiv (New Jersey Institute of Technology, USA)

Minsoo Kim (Pusan National University, Korea)

Peter Sapaty (Ukrainian Academy of Science, Ukraine)

Pierre Parrend (University of Strasbourg, France)

Qiang Cai (Beijing Technology and Business University, P. R. China)

Qu Yanbin (Harbin Institute of Technology, P. R. China)

Saori Iwanaga (Japan Coast Guard Academy)

Shin Jisun (Pusan National University, Korea)

Singo Mabu (Yamaguchi University, Japan)

Takashi Kohno (The University of Tokyo, Japan)

Takashi Ogata (Iwate Prefectural University)

Teruhisa Hochin (Kyoto Prefectural University, Japan)

Tetsuro Hattori (Kagawa University, Japan)

Thomas S. Ray (University of Oklahoma, USA)

Toru Yamamoto (Hiroshima University, Japan)

Victor Berdonosov (Komsomolsk-on-Amur State University of Technology, Russia)

Yasunari Yoshitomi (Kyoto Prefectural University, Japan)

Yi Chai (Chongqing University, P. R. China)

Yoshifumi Morita (Nagoya Institute of Technology, Japan)

Yoshiro Imai (Kagawa University, Japan)

Yuji Shinano (Zuse Institute Berlin, Germany)

Zengqiang Chen (Nankai University, P. R. China)

International Program Committee

Akinori Abe (Chiba University, Japan)

Akira Utsumi (The University of Electro-Communications, Japan)

Akihiro Yamaguchi (Fukuoka Institute of Technology, Japan)

Akihito Kanai (Hosei University, Japan)

Ali Selamat (University of Technology of Malaysia, Malaysia)

Aminurafiuiddin bin Zulkifli (Multimedia University, Malaysia)

Amornphun Phunopas (King Mongkut's University of Technology, North Bangkok, Thailand)

Andre Rosendo (ShanghaiTech University, P. R. China)

Anne Jeannin-Girardon (University of Strasbourg, France)

Anton Shiriaev (Nowegian University of Science and Technology, Norway)

Artur Sagitov (Kazan Federal University, Russia)

Ashi Gautam (The University of Tokyo, Japan)

Atsuya Tange (The University of Tokyo, Japan)

Ayumu Tominaga (Kyushu Institute of Technology, Japan)

Bin Zhang (Beijing University of Posts and Telecommunications, P. R. China)

Cecilia Zanni-Merk (INSA-Rouen, France)

Chang-Hua Lien (National Kaohsiung University of Science and Technology, Taiwan)

Chaoli Wang (University of Shanghai for Science and Technology, P. R. China)

Cheng-Shion Shieh (Far East University, Taiwan)

Chenyang Li (Beijing Jiaotong University, P. R. China)

Chia-Nan Ko (Nan kai University of Technology, Taiwan)

Chu-Fen Li (National Formosa University, Taiwan)

Congdao Han (Shanghai Institute of Technology, P. R. China)

Cui Zhang (Beihang University, P. R. China)

Cynthia Matuszek (University of Maryland, USA)

Donglian Qi (Zhejiang University, P. R. China)

Dongmei Ai (University of Science and Technology Beijing, P. R. China)

Duangjai Jitkongchuen (Dhurakij Pundit University, Thailand)

Dunwei Gong (China University of Mining and Technology, P. R. China)

Endra Joelianto (Bandung Institute of Technology, Indonesia)

Enrico Di Mari (Kyushu Institute of Technology, Japan)

Meng Duan (Beihang University, P. R. China)

Mime Azrina Jaafar (Politeknik Sultan Abdul Halim Mu'adzam Shah, Malaysia)

Mingguo Zhao (Tsinghua University, P. R. China)

Moeko Tominaga (Kyushu Institute of Technology, Japan)

Mohammad Al-Shabi (University of Sharjah, United Arab Emirates)

Mohammad Biglarbegian (University of Guelph, Canada)

Mou Chen (Nanjing University of Aeronautics and Astronautics, P. R. China)

Muhammad Azizi Azizan (Universiti Malaysia Perlis, Malaysia)

Nan Xiao (Northeastern University at Qinhuangdao, P. R. China)

Naoki Toyoshima (The University of Tokyo, Japan)

Nicolas Monmarché (university of Tours, France)

Noriaki Kuwahara (Kyoto Prefectural University, Japan)

Noritaka Sato (Nagoya Institute of Technology, Japan)

Norrma Mokhtar (University of Malaya, Malaysia)

Nur Farhana Mustahidin (Politeknik Port Dickson, Malaysia)

Palakorn Tantrakool (King Mongkut's Institute of Technology, North Bangkok, Thailand)

Ping Wang (North China Electric Power University, P. R. China)

Pierre David (University of Strasbourg, France)

Pierre Willaume (University of Strasbourg, France)

Ricardo Q. Figueroa (National Polytechnic Institute, Mexico)

Roman Lavrenov (Kazan Federal University, Russia)

Ryohei Anshi (Kyushu Institute of Technology, Japan)

R.K.P.S. Ranaweera (University of Moratuwa, Sri Lanka)

R.P.C. Janaka Rajapakse (Tainan National University of the Arts, Taiwan)

Satoshi Ikeda (The University of Miyazaki, Japan)

Seong-Ik Han (Pusan National University, Korea)

Shanbi Wei (Chongqing University, P. R. China)

Shifang Xu (Shanghai Institute of Technology, P. R. China)

Shihao Sun (Beihang University, P. R. China)

Shin-ichi Asakawa (Tokyo Woman's Christian University, Japan)

Fabio Guigou (University of Strasbourg, France)	Shing-Tai Pan (Kaohsiung University, Taiwan)
Fei Hao (Beihang University, P. R. China)	Shin Wakitani (Hiroshima University, Japan)
Fenghua Shan (Northwestern Polytechnical University, P.R. China)	Shinichi Imai (Tokyo Gakugei University, Japan)
Firas Basim Ismail Alnaimi (University Tenaga Nasional, Malaysia)	Shoichiro Fujisawa (Tokushima Bunri University, Japan)
Fuzhong Wang (Henan Polytechnic University, P. R. China)	Shumin Fei (Southeast University, P. R. China)
Haibo Li (Royal Institute of Technology, Sweden)	Shyi-Ming Chen (National Taichung University of Education, Taiwan)
Haisheng Li (Beijing Technology and Business University, P. R. China)	Stephany Mai Nishikawa (The University of Tokyo, Japan)
Haruhisa Okuda (Mitsubishi Electric Corporation, Japan)	Stephen Wilkerson (York College of Pennsylvania, USA)
Haruna Matsushita (Kagawa University, Japan)	Takashi Kuremoto (Yamaguchi University, Japan)
Heeje Kim (Pusan National University, Korea)	Takayoshi Yamada (Gifu University, Japan)
Hidetsugu Suto (Muroran Institute of Technology, Japan)	Takuya Fuginaga (Kyushu Institute of Technology, Japan)
Hideyuki Tanaka (Hiroshima University, Japan)	Takuya Nanami (The University of Tokyo, Japan)
Hiroki Fukushima (Kyusyu Women's University, Japan)	Taishiro Kishimoto (Keio University, Japan)
Hiroyuki Iizuka (Osaka University, Japan)	Taisuke Akimoto (Kyushu Institute of Technology, Japan)
Hong Niu (Tianjin University of Science and Technology, P.R. China)	Taro Shibasaki (Ibaraki University, Japan)
Hongbo Li (Tsinghua University, P. R. China)	Taro Takagi (National Institute of Technology, Maizuru College, Japan)
Hongji Ma (Shandong University of Science and Technology, P. R. China)	Teruhisa Hochin (Kyoto Prefectural University, Japan)
Hongjiu Yang (Yanshan University, P. R. China)	Tetsuro Katayama (The University of Miyazaki, Japan)
Hongpeng Yin (Chongqing University, P. R. China)	Thomas Noel (University of Strasbourg, France)
Hsien-Huang Wu (National Yunlin University of Science and Technology, Taiwan)	Thunyaseth Sethaput (Thammasat University, Thailand)
Huaping Liu (Tsinghua University, P. R. China)	Tianping Zhang (Yangzhou University, P. R. China)
Hussein Abbass (University of New South Wales, and ADFA, Australia)	Tomohiko Takagi (Kagawa University, Japan)
I-Hsien Liu (National Cheng Kung University, Taiwan)	Tomohiro Henmi (National Institute of Technology, Kagawa Collage, Japan)
Ilya Afanasyev (Innopolis University, Russia)	Toshihiro Inukai (DENSO Wave Incorporated, Japan)
Istvan Harmati (Budapest Institute of Technology and Economics, Hungary)	Toshinori Nawata (Kumamoto National College of Technology, Japan)
Isyati Suparman (Politeknik Tuanku Syed Sirajuddin, Malaysia)	Tsunehiro Yoshinaga (Tokuyama National College of Technology, Japan)
Ivan Tanev (Doshisha University, Japan)	Tsutomu Ito (Ube National College of Technology, Japan)
Jiandong Zhao (Beijing Jiaotong University, P. R. China)	Ussath Martin (The University of Potsdam, Germany)
Jiao Jia (Beihang University, P. R. China)	Wang Jie (Pusan National University, South Korea)
Jingchuan Wang (Shanghai Jiao Tong University, P. R. China)	Wanjun Yu (Shanghai Institute of Technology, P. R. China)
JJ Merelo (University of Granada, Spain)	Weicun Zhang (University of Science and Technology Beijing, P. R. China)
Joono Cheong (Korea University, Korea)	Wei-Lung Mao (National Yunlin University of Science and Technology, Taiwan)
Julio Navarro Lara (University of Strasbourg, France)	Weimei Yu (Northwestern Polytechnical University, P.R. China)
Jun Kobayashi (Kyushu Institute of Technology, Japan)	Weixin Zeng (Beijing Jiaotong University, P.R. China)
Jung-Shian Li (National Cheng Kung University, Taiwan)	Wenhao Zheng (Beihang University, P. R. China)
Junhg-Perng Su (National Dong Hwa University, Taiwan)	Wenlin Li (Beihang University, P. R. China)
Junpei Ono (Digital Arts Sendai, Japan)	Wisanu Jiviriya (King Mongkut's University of Technology North Bangkok, Thailand)
Junping Du (Beijing University of Posts and Telecommunications, P. R. China)	Xiaocan Wang (Northwestern Polytechnical University, P. R. China)
Kaoru Ohe (The University of Miyazaki, Japan)	Xiaofeng Su (Beijing Institute of Astronautical Systems Engineering, P. R. China)
Kazuma Sakamoto (Komatsu University)	Xiaoyan Chen (Tianjin University of Science and Technology, P. R. China)
Kazuo Kawada (Hiroshima University, Japan)	Xiaoyan Fu (Capital Normal University, P. R. China)
Kei Sahara (Doshisha University Japan)	Xuemei Ren (Beijing Institute of Technology, P. R. China)
Keiji Kamei (Nishinippon Institute of Technology, Japan)	Xuhui Lu (Beihang University, P. R. China)
Kenji Aoki (The University of Miyazaki, Japan)	Yafan Liu (Beijing Jiaotong University, P. R. China)
Keisuke Watanabe (Tokai University, Japan)	Yan Cui (Shanxi Normal University, P. R. China)
Keita Honda (Gifu university, Japan)	Yasunori Takemura (Nishinippon Institute of Technology, Japan)
Ke Zhang (Chongqing University, P. R. China)	Yeong-Jeu Sun (I-Shou University, Taiwan)
Ken-ichi Tanaka (Meiji University, Japan)	Yo Horikawa (Kagawa University, Japan)
Kensuke Ogata (Osaka City University Japan)	Yongqiang Qi (China University of Mining and Technology, P. R. China)
Khairul Anuar Ishak (Politeknik Tuanku Syed Sirajuddin, Malaysia)	Yoshihiro Kita (Tokyo Institute of Technology, Japan)
Khairul Salleh bin Mohamed Sahari (University Tenaga Nasional, Malaysia)	Yoshihiro Ohnishi (Ehime University, Japan)
Khoyratee Farad (The University of Tokyo, Japan)	Youji Kawamura (Kindai University, Japan)
Kouichi Takeuchi (Okayama University, Japan)	Yu-an Zhang (Qinghai University, P. R. China)
Konstantin Yakovlev (Russian Academy of Sciences, Higher School of Economics, Russia)	Yuanlin Wang (Northwestern Polytechnical University, P. R. China)
Kui Xiang (Wuhan University of Technology, P. R. China)	Yue Lin (Beijing Institute of Control Engineering, P.R. China)
Leonid Freidovich (Umea University, Sweden)	Yueqian Liang (China Academy of Electronics and Information Technology, P. R. China)
Levi Timoth��� (The University of Tokyo, Japan)	Yuji Minami (National Institute of Technology, Ube College, Japan)
Liming Chen (Beihang University, P. R. China)	Yujie Yan (Tianjin University of Science and Technology, P. R. China)
Lin Li (University of Shanghai for Science and Technology, P. R. China)	Yuki Hayashi (Chiba University, Japan)
Lin Zhao (Qingdao University, P. R. China)	Yunxiang Liu (Shanghai Institute of Technology, P. R. China)
Manabu Yamada (Nagoya Institute of Technology, Japan)	Yunzhong Song (Henan Polytechnic University, P. R. China)
Masahide Ito (Aichi Prefectural University, Japan)	Yuxing Ouyang (Tianjin University of Science and Technology, P. R. China)
Masahiro Ushio (Kyushu Institute of Technology, Japan)	Yuya Nishida (Kyushu Institute of Technology, Japan)
Masahiro Yokomichi (The University of Miyazaki, Japan)	Zacharie Mbaitiga (National Institute of Technology, Okinawa College, Japan)
Masanori Takahashi (Tokai University, Japan)	Zengqiang Chen (Nankai University, P. R. China)
Masaya Nakahara (Osaka Electro-Communication University)	Zhao Peng (Huazhong University of Science and Technology, P. R. China)
Masayoshi Kano (Chukyo University, Japan)	Zhengquan Yang (Civil Aviation University of China, P. R. China)
Masayoshi Tabuse (Kyoto Prefectural University, Japan)	ZhiLi Song (Shanghai Institute of Technology, P. R. China)
Masaomi Hatakeyama (University of Zurich, Switzerland)	Zhongxin Liu (Nankai University, P. R. China)
Mastaneh Mokayef (Central Connecticut State University, USA)	Zuradzman bin Mohamad Razlan (University Malaysia Perlis, Malaysia)
Max Talanov (Kazan Federal University, Russia)	

Local Arrangement Committee

Makoto Sakamoto (Miyazaki Sangyo-keiei University, Japan)
Masanori Sugisaka (ALife Robotics Corporation Ltd., Japan)
Takao Ito (Hiroshima University, Japan)