

AROB Workshop

Workshop on Artificial Life and Robotics in Busan



September 7-9, 2017, PNU, Busan, Korea

Call for Organizing Sessions(OS)

International Workshop on Artificial Life and Robotics will be held in **PNU, Busan, Korea, September 7-9, 2017**. We invite proposals for Organizing Sessions. Each Session should consist of at least 4 paper presentations. This workshop will bring together researchers to discuss development of new technologies concerning *artificial life and robotics* based on computer simulations and hardware designs of state-of-the-art technologies, and to share findings on how advancements in artificial life and robotics technologies that relate to 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:

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Ye Eun Lee, SPENALO Robot Technology Research Center, Korea

More Information

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Organized by

SPENALO Robot Technology Research Center, Korea

International Society of Artificial Life and Robotics (ISAROB), Japan

Sponsored by

Pusan National University, Korea

BK 21, School of Mechanical Engineering, Korea

BK 21, School of Electrical & Electronics Engineering, Korea

Busan Robot Industry Association, Korea

Topics of interest include, but are not limited to

Agent-based modeling

Artificial brain

Artificial intelligence

Artificial life

Artificial living

Artificial mind

Bio-robot

Biocomplexity

Bioinformatics

Biological evolution

Biomedical Imaging

Brain science

Chaos

Cognitive science

Complexity

Control techniques

Data mining

DNA computing

Evolutionary computations
(Genetic algorithm)

Genome/Omics medicine

Human-machine interaction
and collaboration

Identification and Estimation

Intelligent control Learning

Manipulator

Medical informatics

Mobile robots

Molecular biology

Molecular network

Motion planning and navigation

Multi-agent systems

Nano-biology

Nano-robot

Neural networks

Neurocomputing technologies
and its application for hardware

Quantum computing

Regenerative medicine

Robot vision and image processing

Robotic Mechanism

Sensor and multi-sensor data fusion

Swarm intelligence

Swarm robot

Tele-operation

Walking robot

Important Dates

OS Proposal Deadline

June 25, 2017

Notification of Acceptance

July 4, 2017

Paper Submission Deadline

August 4, 2017

Registration Deadline for Presenters

August 4, 2017

Paper Submission

<http://robot.pusan.ac.kr>

Publication

Accepted papers will be published in the Proceedings of the AROB workshop. Extended versions of the selected papers will be published in the international journal: **ARTIFICIAL LIFE AND ROBOTICS, Springer Japan**

International Organizing committee

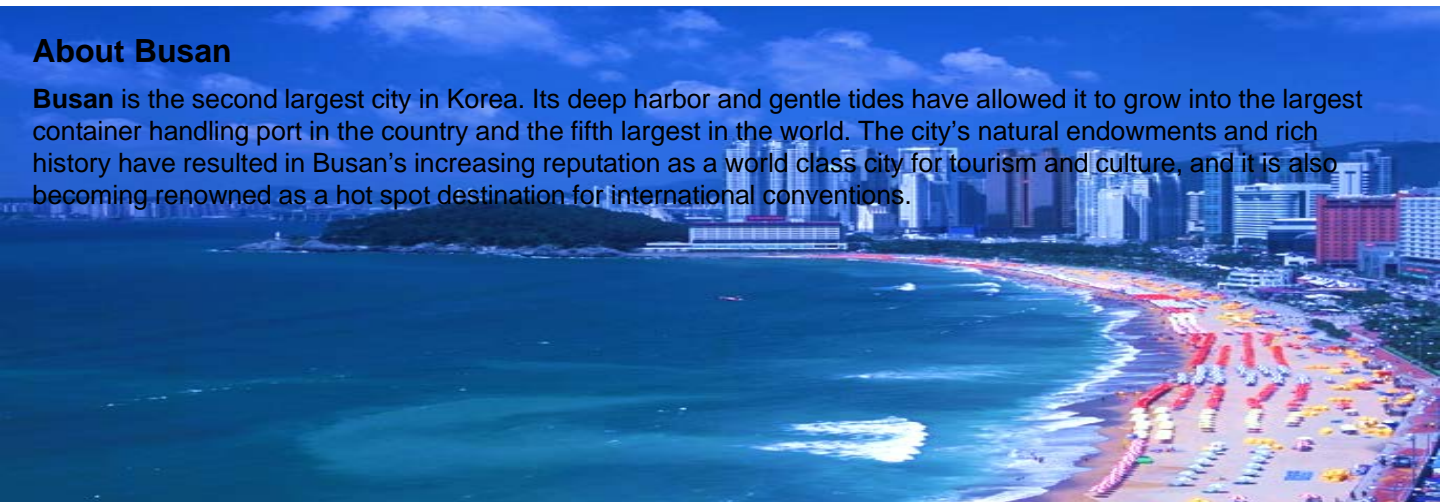
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Takaya Arita, Nagoya University, Japan
Christopher L. Barrett, Virginia Polytechnic Institute and State University, United States
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Changshui Zhang, Tsinghua University, China

International Program committee

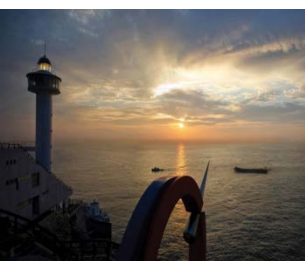
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About Busan

Busan is the second largest city in Korea. Its deep harbor and gentle tides have allowed it to grow into the largest container handling port in the country and the fifth largest in the world. The city's natural endowments and rich history have resulted in Busan's increasing reputation as a world class city for tourism and culture, and it is also becoming renowned as a hot spot destination for international conventions.



Haeundae Beach



Taejongdae Park



Gwangan Bridge



Gukje Market



Shinsegae Centum City