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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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**
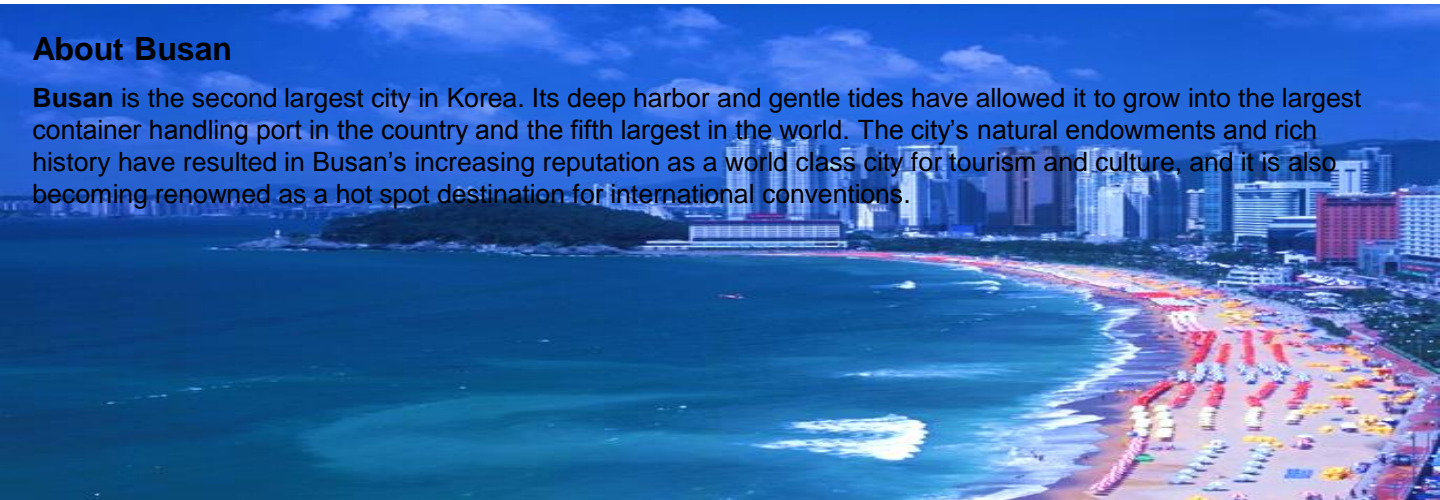
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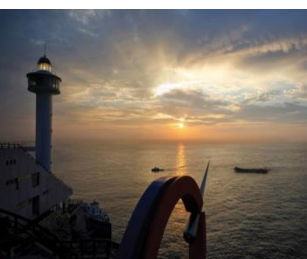
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About Busan

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