

The First International Symposium on Swarm Behavior and Bio-Inspired Robotics 2015



京都大学
KYOTO UNIVERSITY

SWARM 2015

Kyoto, JAPAN October 28-30, 2015
<http://www.ohk.hiroshima-u.ac.jp/SWARM2015/>

Scope: Living things that survive natural selection have beautiful skills and intelligent behavior. A swarm can perform many functions that its component individuals cannot possibly accomplish alone. In addition to the ability to adapt to the environment, but also to construct a suitable environment for its own advantage. The constructive understanding of intelligence of living things is a very interesting approach from the point of view of biology and engineering. The aim of this first symposium SWARM2015 is the construction of a bridge between biologists and engineers who are interested in the intelligence of living things and the creation of a new academic field by integrating biology and engineering. This symposium will focus on the biological and engineering approaches to understanding swarm behavior and biologically-inspired robotics. All aspects of swarm behavior and bio-inspired robotics are welcome, including, but not limited to, the following topics:

💡 Related Topics

- **Biology**
Social Insects, Evolutionary Cooperation, Ethology, Social Physiology, Adaptation, Self-Organization, Sociometry, Phase Polyphenism, Quorum Sensing
- **Engineering**
Swarm Intelligence, Swarm Robotics, Biomimetics, Bio-Inspired Robotics, Multi-Agent Systems, Walking Robots, Modular Robotics, Decentralized Control, Distributed Systems

🕒 Important Dates

- Submission of Papers **May 1, 2015**
May 25, 2015 (extended)
- Notification of Acceptance **July 1, 2015**
- Camera Ready Submission
& Early Registration **September 1, 2015**

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Fumitoshi Matsuno (Kyoto University) 世界遺産の...

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Yukio Gunji (Waseda University)
Kazuki Tsuji (University of the Ryukyus)

👤 **Program Chair**
Kazuhiro Ohkura (Hiroshima University)

👤 **Vice-Program Chairs**
Kenji Matsuura (Kyoto University)
Toru Namerikawa (Keio University)

📍 Site: Kyoto, JAPAN

Kyoto University
Clock Tower Centennial Hall



For further information, please contact us.
swarm2015@mechatronics.me.kyoto-u.ac.jp

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- There are three options for submission: *full paper*, *short paper* or *abstract*. Full papers and short papers have an 8-page or a 4-page maximum length. Surveys are also welcome as full papers. Abstracts are limited to 2 pages.
- Selected papers will be invited for further revision and extension for possible publication in a special issue of *Artificial Life and Robotics*, Springer.

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