

Technical Committee on Artificial Life Systems

Exploration into next generation research fields with traversable biomedical engineering

1. Goal

Development of artificial life systems that can facilitate a “symbiotic” relation between human and next generation robots with such as intelligent cognitive and behavioral abilities.

2. Problem

It is still not sufficiently understood that what kinds of new technologies are needed for the next generation robots and how we can develop them in real world applications.

3. Strategy

- Organizing the annual international symposium (AROB) to update current achievements and discuss the direction of the future developments in the field of artificial life systems.
- Planning lecture meetings to study from fundamentals to recent applications in this field.

4. Activity Plan

- The 14th AROB has been cosponsored by this committee at Beppu, Oita (Feb. 5th-7th, 2009).
- Lecture meetings by experts from not only the related engineering fields but also medical and welfare fields.

