

# Technical Committee on System Integration for Robot Technology (RT)

## Interoperability and Reusability of Robot Technology (RT)

### 1. Goal

Our goal is establishing and spreading an infrastructure and a framework for RT system integration, which realize interoperability and reusability of Robot Technology.

### 2. Problem

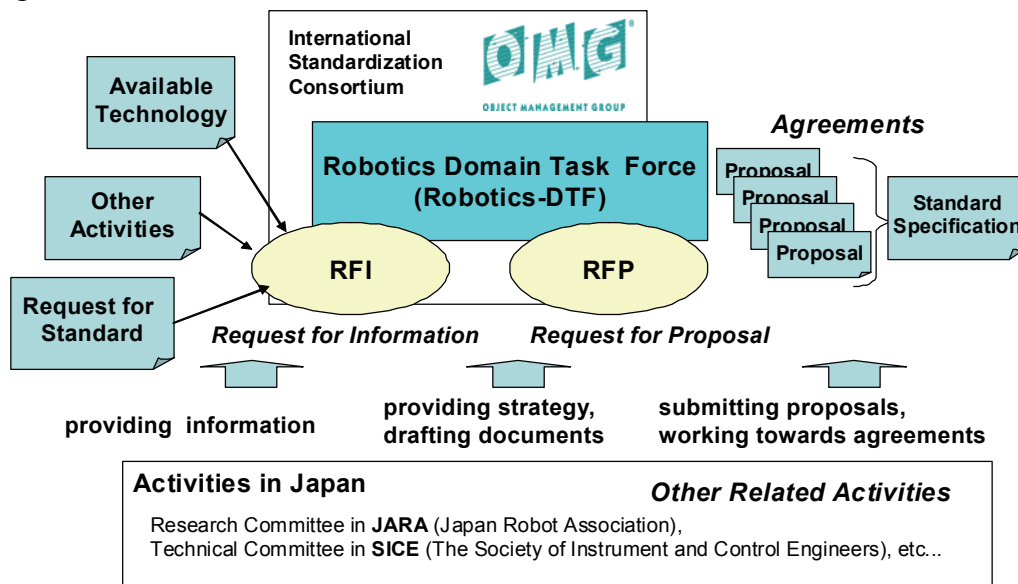
In order to provide robotic systems that support our daily lives, it is necessary to create custom-made robot systems into which various robotic functions are integrated to satisfy the needs of each customer. To open such a new robot industry, it is necessary to compose robot systems as integrations of robot technology function modules easily and effectively. So it is important to establish an infrastructure and a framework for RT system integration and to share them among the new robot industry.

### 3. Strategy

- Collaborating widely across countries and domains for sharing information about system integration technologies,
- Cooperating to activities of international standardization of Robot Technology.

### 4. Activity Plan

- Collaborating with Research Committee about RT middleware in JARA,
- Sharing information about the activities of Robotics-DTF in OMG technical meetings,
- Organizing RT middleware contest in SI conference with JARA and Roboness.



Organizers (2009)

Director: Takashi Suehiro (University of Electro-Communications)  
 Vice-director: Shinji Kanda (Fujitsu Laboratories LTD.)  
 Secretary: Tomoki Yamashita (Mayekawa MFG. Co., LTD)