Here begins our new MIRAI

Goal3 Realization of AI robots that autonomously learn, adapt to their environment, evolve in intelligence and act alongside human beings, by 2050.

MOONSHOT
RESEARCH & DEVELOPMENT PROGRAM

Adaptable AI-enabled Robots to Create a Vibrant Society

● Project manager

(selected in 2020)

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● Leader's institution

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● R&D institutions

Tokyo Metropolitan Univ. , Tamagawa Univ., ATR, Nara Inst. of Sci. and Tech., Kanazawa Univ., Shinshu Univ., Kyushu Univ., Osaka Univ., Nagoya Univ., Yamagata Univ., National Center for Geriatrics and Gerontology, National Inst. of Occupational Safety and Health, ETH Zurich

Summary of the project

This project aims to create a collective of adaptable AI-enabled robots available at a variety of places. Each robot will be usable by anyone at any time, and will adjust its form and functions according to the individual user to provide optimal assistance and services. By 2050 the co-existence and co-evolution of a wide variety of robots and people will create a vibrant society in which all people can participate.
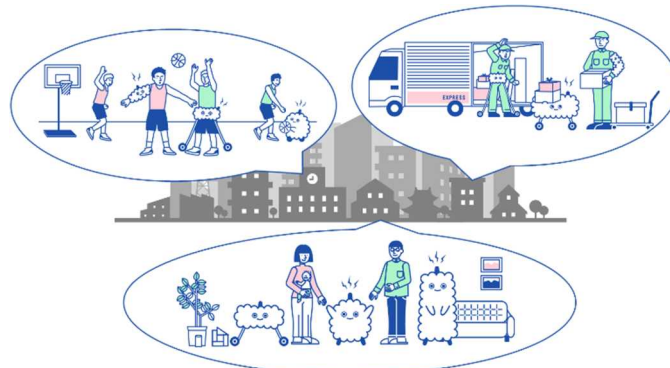
Milestone by year 2030

To show that the adaptable AI robot can be a driving force for creating a vibrant society in which everyone can participate enthusiastically not only in daily life but also in travel, sports, and other activities.

Milestone by year 2025

To improve the motivation of nursing home residents to be active and to enable them to actively participate in social events, we aim to develop adaptable AI robots that can change their form and function in specific environments to improve the mobility and skills of the users.

Project structure

JST Japan Science and Technology Agency