

2025 年 7 月 14日
慶應義塾大学

Moonshot R&D program, Japan Science and Technology Agency (JST) - Goal1 Cybernetic Avatar Technology and Social System Design for Harmonious Co-experience and Collective Ability

Exhibiting Five Years of Research and Development Results at Expo 2025
Osaka, Kansai, Japan



Cabinet Office JST Moonshot R&D Program – Goal 1 "Cybernetic Avatar Technology and Social System Design for Harmonious Co-experience and Collective Ability" is led by Project Manager Prof. Kouta Minamizawa (Graduate School of Media Design, Keio University) referred to as "Project Cybernetic being". This project aims to build a social infrastructure that enables the circulation of physical skills and experiences in harmony with people and society. Through the development of cybernetic avatar technologies that allow individuals to fully demonstrate their abilities and share diverse skills and experiences, the project seeks to realize a society in which anyone can freely engage in various activities and challenges through cybernetic avatars.

We are pleased to announce that the achievements from the five years since the launch of our project will be exhibited at the "Moonshot Park: See! Touch! Feel! The New Future" event, which will be held at the Expo 2025, Japan.

■ Exhibition Overview

Exhibition Title: Cybernetic being Life

Exhibition Period: July 23 (Wed) – July 28 (Mon), and July 30 (Wed) – August 4 (Mon), 2025

Closed on: July 29 (Tue)

Opening hour: 10:00 am - 9:00 pm

** The exhibition closing time is different at those days;

July 28 (Mon) 10:00 am - 8:00 pm

Aug 4 (Mon) 10:00 am - 5:00 pm

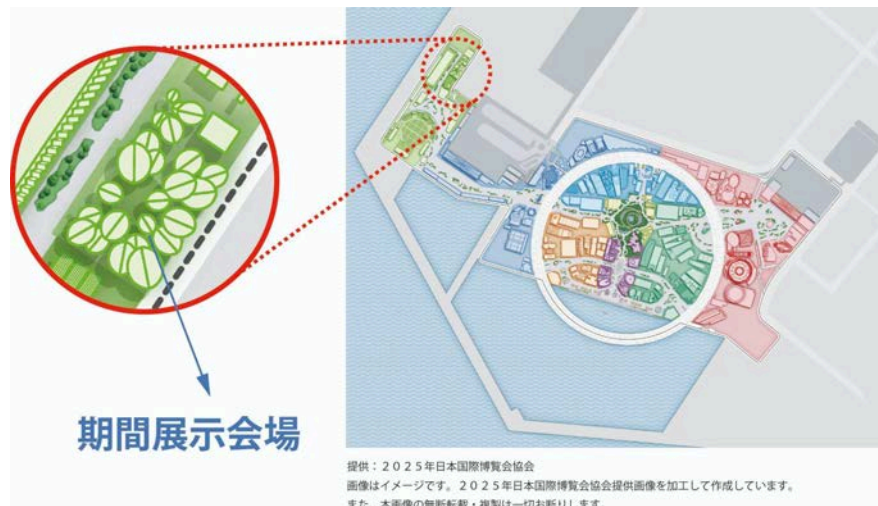
Venue:

Future Life Experience (FLE),

Future Life Village, Expo 2025 Osaka, Kansai

Admission: Free / No reservation required

**Purchasing an Expo 2025 Osaka admission ticket is required.



■ Exhibition Theme

“What kind of abilities can you gain with a new body?”

This exhibition introduces our initiatives in research and social co-creation to realize a society in which everyone can acquire “another body” through cybernetic avatars and flourish—looking ahead to the future of 2050, beyond barriers of disability, age, gender, and race.

Using avatar robots to travel and work freely beyond the constraints of the body,
using a brainwave-controlled robotic arm to regain everyday life even without body movement,
obtaining a body that moves lightly even with age,
incorporating the advanced skills of athletes and artisans into one’s own body,
and transforming others’ life experiences into one’s own nourishment—
these are among the possibilities we invite you to explore.



■ Message from the Project Manager

Kouta MINAMIZAWA, PhD

(Professor, Keio University Graduate School of Media Design/ Project Manager, Moonshot R&D Program Goal 1 / Basic Concept Committee Member for the Japan Pavilion, Expo 2025 Osaka, Kansai)

In the five years since the project began in 2020, the technologies surrounding us have evolved significantly, and society has undergone major changes. The future vision that Project Cybernetic being envisaged for 2050 is no longer distant—it is already approaching our everyday lives. At Expo, a place for envisioning the future, we invite you to experience this “slightly ahead” everyday life.

◆ About Moonshot Park

The Moonshot R&D Program is a large-scale national research program aiming to create disruptive innovation originating in Japan. It promotes ambitious research and development based on bold ideas, not simply extensions of existing technologies.

At this exhibition, 14 exhibition programs based on the 10 Moonshot goals will be presented weekly. Each will provide intuitive experiences of future research outcomes. Visitors will be able to see, touch, and feel these innovations, and share questions and ideas about the future.

Moonshot Park – See! Touch! Feel! The New Future

Period: July 23 (Wed) – August 31 (Sun), 2025

Closed on: July 29 (Tue), August 5 (Tue), August 12 (Tue), August 19 (Tue)

Venue:

Future Life Experience (FLE),

Future Life Village, Expo 2025 Osaka, Kansai

Organizers:

Cabinet Office, Council for Science, Technology and Innovation

Japan Science and Technology Agency (JST)

Admission: Free / No reservation required

(Expo 2025 admission ticket required)

Cabinet Office Exhibition Info:

<https://www8.cao.go.jp/cstp/moonshot/expo2025/index.html>

Moonshot Park Overview:

<https://www8.cao.go.jp/cstp/moonshot/expo2025/exhibition.html>

◆ About Project Cybernetic being



Under Moonshot Goal 1 of the Moonshot Research and Development Program by the Japan Science and Technology Agency (JST) — "Realization of a society in which human beings can be free from limitations of body, brain, space, and time by 2050" — the research and development project titled "Cybernetic Avatar Technology and Social System Design for Harmonious Co-experience and Collective Ability" (Project Manager: Prof. Kouta MINAMIZAWA, Keio University Graduate School of Media Design) is engaged in advancing both technological and social applications of cybernetic avatars that overcome physical limitations.

The project aims to enable a future society in which diverse individuals—including persons with disabilities, older adults, and children—can act freely and participate socially by distributing and sharing physical experiences and skills across a network.

Moonshot Goal 1:

<https://www.jst.go.jp/moonshot/program/goal1/index.html>

Project Cybernetic being:

<https://cybernetic-being.org/>

■ Contact Information

For inquiries about the content:

Prof. Kouta Minamizawa

Graduate School of Media Design, Keio University

Email: info@cybernetic-being.org

For media inquiries:

Public Relations Office, Keio University

TEL: +81-3-5427-1541

FAX: +81-3-5441-7640

Email: m-pr@adst.keio.ac.jp

Website: <https://www.keio.ac.jp/>