

Project Based Learning Final Presentation

Date: 16:50-18:35 Thursday, January 26th, 2023

Venue: Engineering Bldg.#2 223 lecture room of the University of Tokyo / Online (Hybrid)

*Due to venue capacity, the people who are not PBL members, please participate online (ZOOM). Thank you for your understanding.

Organized by:

Graduate Program for Mechanical Systems Innovation (GMSI)

World-leading Innovative Graduate Study Program Co-designing Future Society (WINGS-CFS)

Global Leadership Program for Social Design and Management (GSDM2.0)

Quantum Science and Technology Fellowship (WINGS-QSTEP)

World-leading Innovative Graduate Study Program for Materials Research, Industry, and Technology (MERIT-WINGS)

World-leading Innovative Graduate Study Program in Gerontology: Global Leadership Initiative for Age-Friendly Society (WINGS-GLAFS)

Objectives and outlines:

Graduate-level education requires flexible adaptability in a wide range of areas and a high degree of professionalism. In terms of acquiring the ability to problem-solving, which is difficult to gain by education within the university alone, educational programs under industrial-academic collaboration are believed necessary and effective to satisfy the above educational requirements.

Project Based Learning (PBL) is one active learning program that seeks to solve problems based on new perspectives and ideas and is intended to cultivate leadership, teamwork, and communication skills. Specifically, the PBL based on industrial-academic collaboration started by offering the topics from industry, and team efforts involving students, faculty members, and members from the industry have tackled to make solutions to the issues. Such a PBL program is believed one of the effective options to satisfy the above educational requirements.

At the PBL Final Presentation session, the students attending lectures present the results of their PBL activities and discuss them with the students, the faculty staff, and the partners from the industry in charge. It is believed that such discussion will be fruitful to progressing education based on industrial-academic collaboration.

Program:

16:50-16:55 Opening

16:55-18:03 Presentation Session (Presentation 12 min., Q&A 5 min.)

Team 1 : Proposal of Next-generation Energy Total solutions for Carbon-neutral realization (EBARA CORPORATION)

Team 2 : Verification of the 6th Basic Energy Plan for Tsushima Island (System JD Co., Ltd.)

Team 3 : Business Model for Connected Autonomous Vehicle Services (Hitachi Astemo, Ltd.)

Team 4 : Realization of a platform to monitor the global environment using sensors and AI (Sony Group Corporation)

18:03-18:15 Voting Time and Break

18:15-18:30 Comments from the companies and faculty members

18:30-18:35 Awards ceremony and Closing