

Applied Human-Robot Interaction Design

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2026/08/17 ~2026/08/28	Japan	UNIVERSITY OF WASHINGTON Global Innovation Exchange	•Electrical Engineering and Computer Science, •Mechanical Engineering, •Systems Engineering and Science •Master 1st grade, Master 2nd grade, Undergraduate 3rd grade, Undergraduate 4th grade, Doctor 3rd grade	(SIT) Students 12, Student Staff 5, Professor 2, Staff 1 (UNIVERSITY OF WASHINGTON Global Innovation Exchange) Students 13, Professor 2	SUGAYA Midori(Computer and Communications Engineering Computer Science and Engineering), FENG CHEN(SIT Research Laboratories)



Image1 Group photo at program completion

"From August 17 to 28, 2026, students from Shibaura Institute of Technology and the University of Washington participated in an international project-based learning program focused on human-robot interaction. Lectures and practical exercises covered robotics, ROS 2, TurtleBot3, SLAM and navigation, and the use of sensors and Arduino. Working in six groups, students developed robot concepts and prototypes for specific user needs: facilitating social interaction, supporting patients waiting in emergency departments, assisting with surgical instrument management, interacting with children, providing navigation assistance, and delivering medication in hospitals.□



Image2 Lecture on robot technology



Image3 Robot development in group



Image4 Collaborative teamwork



Image5 Robot with an expressive display



Image6 Explaining a robot to participants



Image7 Group photo at avatar cafe DAWN