Division of Frontier Engineering	Research field	Robotics and Mechatronics	Lab. ID FE02
Laboratory web site	http://as.ms.t.kanazawa-u.ac.jp		

Research subjects

We are widely studying various robotic and mechatronic systems and automation. Mechatronics technology integrating sensor, control, and computer is indispensable in our modern life. Robots have come to be used not only in factories but also in environment near humans. In order to evolve their technologies, we are studying human friendly robot including AI and soft structures, smart sensing system for detecting various targets in real world, useful automation for industrial application, and maintenance robots for social infrastructure. We cope with each project after considering which is suitable for its purpose, general robot or highly specialized machine. Moreover, we think a great deal of not only theory and simulation but also demonstration by making prototype to show our original idea.

Master/Doctor course: Education policy, curriculum, typical activity in the laboratory

Each student is assigned to one research project and he/she conducts it individually under supervisors. Since our projects relate deeply to each other, students discuss about them frequently. We have a laboratory meeting every week and each student reports research progress and problems. The students research in flexible time without core time. Academic conference presentation is recommended at least once in two years for a master course student and once every year for a PhD course student. PhD course students should also submit journal papers.

Daily life in the laboratory, etc.

Each student has a space for desk work and experiment. Students spend time like a family in our laboratory. We have some events including a welcome party, summer party, year-end party, and farewell party.
A research time is left up to each student. However, it's necessary to report progress of research activities once in two weeks.
After graduating, students generally work at manufacturers of automobile, electric machinery, construction machinery and heavy machinery.

Message or comments by the laboratory faculty staffs

You need "motivation" and "patience" to proceed your research project. After a lot of reconsideration, trial and error, I believe you surely get nice outcomes. Robotics and mechatronics are synthetic technology including mechanics, electronics, computer, etc. Enjoy research with us together to realize revolutionary ideas!

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