

Division of Mechanical Science and Engineering	Research field	Tribology	Lab. ID ME10
Laboratory web site	http://www.ms.t.kanazawa-u.ac.jp/~tribo		
Research subjects			
Tribology is defined as the science and technology of friction, wear, and lubrication in 1966 at a workshop of OECD meeting. However, the relation of tribology to human continues from ancient era life to modern advanced technology. Tribology of soft materials such as rubber, polymers, and gels is the main subject of this laboratory. The major application of rubber is passenger's vehicle tire. The hydrogel is said to be the candidate material for the cartilage of artificial joint. Not only the frictional experiment but observation using optical method are conducted for the research.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Schedule meeting at the beginning of the first semester is held to each master course student so as to both confirm their objectives of the research theme and experimental procedure. Although each student handles individual research subject, a group composed of a few students is assigned a wider theme. Research meeting is held once a week to present the progress of the research. Student should read a specialized book of tribology or rubber in turns and present a paper associated with the research subject. Students are encouraged to present their research result at a conference to transmit the information externally and attend the domestic and local meetings. The laboratory's final goal is set to present at an international conference held abroad. 80% of the graduated students have presented their results internationally.			
Daily life in the laboratory, etc.			
The life in this laboratory is on the basis of voluntarism. There is no limited time to arrive the laboratory room, but earlier in the morning is highly recommended. All relevant students share the laboratory rooms and spend times freely. Students sometimes conducts their experiments or preparation at late night prior to the research meeting or the application deadline of the society.			
Message or comments by the laboratory faculty staffs			
The life in this laboratory is on the basis of voluntarism. There is no limited time to arrive the laboratory room so that student is required high independency. The supervisor give the objective and the anticipated results at the beginning and advice the course of the action. Student should think about the procedure to reach the final conclusions. Students are encouraged to present their research result at not only domestic but international conference. Student can take advantage of an opportunity to train themselves.			
Laboratory mail address	iwai *at* se.kanazawa-u.ac.jp		