

Division of Mechanical Science and Engineering	Research field	Material Application	Lab. ID MS19
Laboratory web site			
Research subjects			
<p>Any research fields have widely been challenged if only in the scope of the engineering. We have selected our themes, e.g. development of a device or a method, to help people in need use for their problems even a little. Recently we have dealt with Sports engineering on ski , field hockey stick and baseball bat, Snow engineering on friction, hardness and accretion, Polar engineering for antarctic exploration, and Forest machinery for biomass chips.</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>We have a meeting every week to report on the progress of researchs. Since most of researchs have to been carried out in specific limited days, we need to make our research plans to match them. We have generally focused on developing equipments and making interesting experiments rather than writing research papers.</p>			
Daily life in the laboratory, etc.			
<p>We often have experiments at the outdoors or on the job sites. Some of them might become on experimental trips. Our research budget is very small, but we have enjoyed creating handmade devices by using parts or wastage around.</p>			
Message or comments by the laboratory faculty staffs			
<p>As a result of personality diagnosis of an egogram web site that my students recommended, I would be a person as follows: I should be seeking the harmony of Outlook on life that human nature is fundamentally good and Rationalism. Furthermore, I might be unrestrained and stubborn. I would seem to do things my own way. Any way, we welcome the students who want to develop something new or helpful with us.</p>			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.3	Study on mechanical resistance of snow surface during skiing		
2016.3	A study of friction on snow and surface energy		
2015.3	Study on performance evaluation of field hockey sticks		
2015.3	Study on frictional behavior of snow surface		
2014.3	Study on mechanical properties of snow surface for skiing		
2013.3	Basice study on frictional properties of snow surface		
2013.3	Study on running performance of 12ft container sledge for antarctic exploration		
2013.3	Development of field hockey stick in consideration of player's motion		
Recent Doctoral theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
Laboratory mail address	Hiroyuki KAGAWA <kagawa *at* se.kanazawa-u.ac.jp>		