

Division of Natural System	Research field	Geophysics	Lab. ID NS17
Laboratory web site: Yoshihiro HIRAMATSU Ikuro SUMITA Noritaka ENDO	http://hakusan.s.kanazawa-u.ac.jp/~yoshizo/official/japanese/j_index.html http://hakusan.s.kanazawa-u.ac.jp/~sumita/ http://earth.s.kanazawa-u.ac.jp/~EndoLab/		
Research subjects			
<p>We conduct laboratory experiments, geophysical data analyses (seismic waves, gravity anomalies, topographies etc.) and numerical simulations in order to understand the dynamics of a wide range of phenomena occurring in the Earth and planets. Our research covers earthquakes, volcanism, physics of granular matter and complex fluids, and geomorphology of the Earth and planets.</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>Research projects are chosen upon discussion between the student and the faculty, paying particular attention to the student's interest. In the Masters Course, in addition to formal classes, students are required to attend seminars at which they report their research progress or give summary presentations of the English papers related to their field of interest. Students commonly present their work 1-2 times per year at domestic meetings. In the Master's course, we also encourage students to give presentations at international meetings and publish their results in scientific journals. In the Doctor's course, in addition to the above, we advice students to actively participate in meetings. Publication in an English international journals is a requirement for receiving a DSc degree.</p>			
Daily life in the laboratory from the perspective of grad students			
<p>Students have a good access to the computers and lab equipments needed for conducting their research. Frequent informal discussions with the faculty members are possible, which allows feedback to their research. Students cooperate with each other and have an enjoyable student life.</p>			
Message or comments by the laboratory faculty members			
<p>We encourage students to conduct their research by asking scientific questions by themselves. By conducting research in graduate school, students will become able to asking questions and solving problems by themselves, and presenting their findings so that others can understand. Few students enter our graduate school after they finished their undergraduate studies in other universities. After they finish the Masters course, many students get their jobs at public and private (information technology, mining companies etc.) sectors. A few proceed on to pursue Doctors course, and after their postdoctoral studies they commonly get specialized jobs at public and private sectors.</p>			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.3	Instabilities of granular slopes under vertical shaking		
2017.3	Regional variation in Moho relief beneath lunar impact basins and its origin		
2017.3	Landform development of tilting rivers: the case study on Yakushima and laboratory experiments		
2017.3	Morphometric analysis of valley network basins on Mars: implications for paleo-climate		
2017.3	Re-estimation of the average slip rate at the transition zone on the plate interface beneath southwest Japan and heterogeneity of the excitation efficiency of deep low-frequency tremors		
2016.3	Shape, propagation style and velocity of magma migration in a viscoelastic host rock : a parameter study		
2016.3	Low-velocity impact cratering experiments on granular slopes		
2016.3	Elucidation of reverse fault zones developed in the East Japan based on gravity anomaly analysis		
2015.3	Characteristics of deep low-frequency tremor estimated from the spatial variation of the duration [^] amplitude scaling and the scaled energy in southwest japan		
Recent Doctoral theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.3	Faulting history of marine active faults off the northern coast of the Noto Peninsula, central Japan		
Laboratory mail address	Yoshihiro HIRAMATSU <yoshizo *at* staff.kanazawa-u.ac.jp> Ikuro SUMITA <isumita *at* staff.kanazawa-u.ac.jp> Noritaka ENDO <wisteria *at* staff.kanazawa-u.ac.jp> Tatsuto AOKI <kentaoki *at* staff.kanazawa-u.ac.jp>		