

Division of Mechanical Science and Engineering	Research field	Computational Mechanics of Materials	Lab. ID ME11
Laboratory web site	<a href="http://mechs.ms.t.kanazawa-u.ac.jp">http://mechs.ms.t.kanazawa-u.ac.jp</a> [in Japanese]		
Research subjects			
<p>The strength of solid materials is studied through atomic- and nano-scale phenomena. Because it is not easy to elucidate the nano-scale phenomena only by a theoretical/experimental approach, we adopt the atomic-scale computer simulation approach. Our goal is to propose a new guiding principle for the design of materials with excellent mechanical properties by discovering "beautiful, reasonable atomic collective behavior" from the motion of a huge number of atoms expressed by atomic simulations.</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>Original research subjects are given to each graduate student. Almost every week, students are required to report their studies to the group leader and discuss with him. Reviews of selected papers in English is given by students by turns every two weeks to obtain the latest knowledge required to promote their research activities. Almost every student attends domestic conferences held in various places in Japan and sometimes wins a prize for his excellent presentation.</p>			
Daily life in the laboratory, etc.			
<p>Our group has a large number of high performance workstations, so every student can freely perform computer simulations according to your original idea.</p>			
Message or comments by the laboratory faculty staffs			
<p>It is a great pleasure for us to find new ideas and phenomena not yet discovered. We want to share the pleasure with you. But, unfortunately, we do not know the shortcut to success. Only we can do is to face the research subjects in sincerity and use our brains as much as possible. Let's investigate "beautiful, reasonable atomic collective behavior" while being excited together!</p>			
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