

Division of Mechanical Science and Engineering	Research field	Heat Transfer Engineering	Lab. ID ME20
Laboratory web site	https://mech-eng.w3.kanazawa-u.ac.jp/teraoka/		
Research subjects			
In a wide range of fields such as air conditioning, material manufacturing and processing, an food, there is a demand for technology that promotes, suppresses, controls, and stores heat transfer. Our laboratory aims to contribute to global environment and energy problems by tackling problems related to such heat transfer phenomena. Concrete research is mainly related to solid-liquid phase change phenomena such as "suppression of frost layer growth by controlling ice crystals" and "growth of TBAB hydrate crystals". In addition, as a joint research with a company, we are also conducting research on heat transfer that is close to practical use.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
First, subjects will set a research theme through discussion with advisor. Our research is mainly related to heat transfer engineering and thermodynamics, but we also incorporate knowledge from other fields as necessary. We have a weekly research progress report meeting, and occasionally exchange information on research results with researchers and students from other universities in related fields. Through these activities, students will be able to acquire research results and the ability to make presentations at conferences at least once a year.			
Daily life in the laboratory, etc.			
There are no particular restrictions on life in our laboratory. It is left to the autonomy of students.			
Message or comments by the laboratory faculty staffs			
Proactive research means acquiring known knowledge and then considering new concepts to the level of being able to share them with others. While having such an experience, I would like to share the joy of research together.			
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