

Division of Mechanical Science and Engineering	Research field	Intelligent Design	Lab. ID
			ME13
Laboratory web site	http://bios.w3.kanazawa-u.ac.jp/design/index.html		
Research subjects			
In this laboratory, we are mainly working on design optimization using computational intelligence, which is applied to sheet metal forming and plastic injection molding. A sequential approximate optimization using computational intelligence can cover various areas of design optimization such as global optimization, multi-objective optimization, robust design optimization, evolutionary algorithm, and meta-modelling, and this is used to solve several practical engineering issues. Not only CAE but also experiment is carried out in order to confirm the validity of the methodology.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Students are required to be present at weekly seminars to give an update on the progress of their theme. More detailed and hard discussion is held with the supervisor. Through this discussion, students are expected to have more deep insights to their research theme. Furthermore, students must read and understand a lot of research papers for their research theme. We believe that students will be able to develop their autonomy through laboratory life			
Daily life in the laboratory, etc.			
There is no core time in our laboratory, but many students come to lab early and leave late every day. Each student has own research theme and concentrates on it. We make a plan and proceed it through face-to-face discussion with the supervisor. Exchange meetings with university students and graduate students are held annually, which leads us to strong connection with them.			
Message or comments by the laboratory faculty staffs			
We respect the autonomy of the individual. At the beginning of a year, we provide a lot of research papers and tutorials to achieve the goal of research. Please live your campus life with your own autonomy and plan. You may encounter some difficulties in your laboratory life, but never give up ! We believe that ceaseless effort and intelligent curiosity will open your new doors.			
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