

Division of Electrical, Information and Communication Engineering	Research field	Model-Based/Data-Driven Design	Lab. ID EI30
Laboratory web site	<a href="https://researchmap.jp/7000006991/">https://researchmap.jp/7000006991/</a>		
Research subjects			
We study to develop (1) new shape optimization problem and (2) new numerical scheme by combining Model-Based/Data-Drive approaches in the field of computational fluid dynamics (CFD). Mathematical and Data sciences, Design engineering, Aeronautics, and Computational mechanics are necessary to understand to proceed our reserches.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Master course: Students decide their practical subject for the Master thesis after consultation with staffs and belong to one of the research groups. They attend group meetings regularly held once a week and report progress of their own research projects. They are also expected to take several classes each week in the first grade. Doctor course: Doctor students work on their own research projects. They attend group meetings regularly held once a week. They are expected not only to report progress of their own research projects but also to discuss extensive research topics with the other members.			
Daily life in the laboratory, etc.			
We use finite-element method (FEM) solver developed by The Jacques-Louis Lions Laboratory. We prepare computational server for huge calvulations.			
Message or comments by the laboratory faculty staffs			
In order to study Mathematical and Data Sciences, Design engineering, Aeronautics and Computational mechanics in our laboratory, we are proceeding many resechers from Tohoku university, Tokyo university, Nagoya university, Osaka universtiy, Kyushu university, RIKEN, AIST. It is good optunity for students to join our reserches. The experience would be useful for any careers after graduation. We hope that students devote most of their time to their own research project.			
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