

Division of Electrical, Information and Communication Engineering	Research field	Radio Science and Engineering	Lab. ID EI06
Laboratory web site	http://reg.w3.kanazawa-u.ac.jp/		
Research subjects			
Our laboratory has two main research topics related with electromagnetic waves. (1) Study on electromagnetic environments in space and on the Earth: One of our research targets is plasma waves in space. We are studying the plasma waves observed by scientific satellites and using computer simulation. Our laboratory is developing electromagnetic sensors to be installed onboard scientific satellites. We are planning to develop a nano (cube) satellite for plasma wave observations. (2) Engineering application of electromagnetic measurements: Another research topic is development of a new measurement technique related with EMC problems. Especially, visualization of electromagnetic waves and localization of electromagnetic source are being actively studied.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Students study their research subjects with detailed advices from a supervisor. A seminar will be held every week where students report on the progress of their researches. The M1 students play a central role in the various events and activities in our laboratory.			
Daily life in the laboratory, etc.			
Main experiment facilities: magnetic shielding room and radio anechoic chamber Experiment equipments: PCB milling system, 3D printer, and electromagnetic wave simulator software Some students can file patent application.			
Message or comments by the laboratory faculty staffs			
Professors are willing to offer advices about research topics and others. Our laboratory collaborates with domestic (Kyoto University, JAXA etc.) and international (USA: NASA, The University of Iowa, France: LPP etc.) researchers and companies. Most students completing master course get a job at ICT companies and manufacturers.			
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