

Division of Electrical Engineering and Computer Science		Research field	Artificial Intelligence	Lab. ID EC21
Laboratory web site		http://blitz.ec.t.kanazawa-u.ac.jp		
Research subjects				
<p>The aim of our laboratory is to get computers to process intellectual tasks. Our field is very wide; it concerns about management, economy, welfare, and medical field. Many of our research deals a lot of data obtained from questionnaire surveys, sensors and networks. Then, to discover patterns and rules from them and apply to our system, we utilize datamining or machine learning technologies.</p>				
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory				
<p>Graduated students can choose their own research theme freely by negotiation with supervisor. In some cases, they can tackle two or more themes. In our laboratory, we have a weekly meeting to report progression or research results. Further, some students make research groups by their theme, and they hold their meetings to study or progress reports. Moreover, M1 students have to hold programming seminar for B4 students.</p>				
Daily life in the laboratory, etc.				
<p>All students are allocated a seat and at least one PC. On weekday, all students have to attend and check an attendance book. Furthermore, a drinking party is frequently held, only by students.</p>				
Message or comments by the laboratory faculty staffs				
<p>Graduate student will learn from elder students, not about research but about attitude of tackling their research. Therefore, you have to make effort to become a model of lower-class students.</p>				
Recent Master theses in these 3 years (+ more if appropriate)				
year.month	Thesis title (including English translation of Japanese thesis title)			
2017.3	Estimation on a putting place of a smartphone using sound echoes			
2017.3	Research on sleep apnea detection using machine learning			
2017.3	Classification of English sentences by the degree of difficulty using machine learning			
2017.3	Detection of Operated Finger on Touch Interface			
2017.3	Reserch on extraction information from disaster related tweets			
2017.3	Behavioral estimation of resident activity by plant bioelectric potential using machine learning			
2017.3	Classification of college student's buying action with usage history of Meal Prepaid Card Data			
2016.3	Position estimation of human by bioelectric potential			
2016.3	Discrimination of speech attitude using optical flow and prosody information			
2016.3	Estimation method of sound source direction for informing the speech direction to the hearing impaired person			
2016.3	Evaluation System of the Bow using a Monocular Camera			
2016.3	Application recommendation system using the context information of smartphone users			
2015.3	Classification of School Cafeteria Users using the Meal Prepaid Card Data			
2015.3	Sleep Estimation using the log information of Android			
2015.3	A study of text extraction in natural image			
2015.3	Detection of downstairs for visually impaired people using the Phase-Only Correlation Function			
2015.3	The development of Automatic Selection of Classification Algorithms Using Meta-feature			
2015.3	Development of support systems for early detection of behavior change of solitary person			
2015.3	Estimation of Emotion through Body Language			
2015.3	Development of sleep apnea detection technique using image processing and audio processing			
2014.3	A Link Selection Method for Midas Touch Problem			
2014.3	A Study on Estimation of Difficulty for Piano Scores			
2014.3	A study of background music generation using text information			
2013.3	Studies on support for curing withdrawal by using Bayesian Network			
2013.3	A Research on Recognition of Attitude Using Optical Flow			
2013.3	Object recognition for control panels on machine tools with image features			
Recent Doctoral theses in these 3 years (+ more if appropriate)				

year.month	Thesis title (including English translation of Japanese thesis title)
2016.3	A Study on Feature Analysis for English Writings Using Data Mining
2016.3	The research on prediction of optimum operating cash register numbers and the cellphone carrier recommendation system
2016.3	Three Intelligent Systems for Supporting Advanced Technology— Multi-agent, Image Recognition, and Machine Learning —
2015.9	Study on the intelligent smartphone for improvement of usability and users' behavior
2013.3	Study on the Development of Intelligence Welfare System for Elderly People and Disability Person
Laboratory mail address	www-admin*at*blitz.ec.t.kanazawa-u.ac.jp