

Divisino of Environmental Design	Research field	Transportation and Disaster Prevention Planning	Lab. ID ED09
Laboratory web site	http://webserv.ce.t.kanazawa-u.ac.jp/takayama/		
Research subjects			
<p>•Research concerning the advancement of tertiary emergency medicine and emergency transport, as well as the introduction evaluation of ambulances and helicopters with doctors on board.</p> <p>In provincial cities, there are large regional disparities in the levels of tertiary emergency medical service. In this study, we examine the optimization of the medical information digital transmission system intended for tertiary emergency transport, as well as consider regional optimized introductions of ambulances and helicopters with doctors on board</p> <p>•Research on tourist destination evaluations and cruise tourism using big data Focusing on twitter and collecting a vast number of sightseeing tweet (“travel tweet”) data, we developed a method of evaluating tourist destinations. In addition, using GPS and lifelog cameras, we analyzed factors in areas tourists visit, trave routes, lunch menus, varities of souvenirs and so on in order to further improve “Japanese hospitality.”</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>•Seminars Through twice weekly seminar presentations, research progress will discuss future policy.</p> <p>•Academic Action Master’s thesis and graduation thesis results will be presented at various academic conferences domestically and internationally. Japan Society of Civil Engineers, Infrastructure Planning and Management Convention、Traffic Engineer Research Convention, The City Planning Institute of Japan, Japan Association for Earthquake Engineering, Japan Society for Natural Disaster Science, EASTS, USMCA</p>			
Daily life in the laboratory, etc.			
<p>When laboratory room assignments are determined in April, the research themes will be decided, and a spring camp, also serving as a welcome party, will be held. In June, there is a Infrastructure Planning and Management presentation (spring contest), and several people from the laboratory will participate and present their research. In August, mid-term presentations of graduation research and master’s theses will be held, and the summer camp will be held after that. The Infrastructure Planning and Management National Convention is held in September, the Japan Association for Earthquake Engineering Convention, Institute of Seismology and Earthquake Engineering Convention, and USMCA in October, Infrastructure Planning and Management Research Presentation Convention (fall contest) in November. This academic meet season will make for a busy laboratory life. A year-end party will be held in December. After that, research will enter the final push, moving towards final presentations.</p>			
Message or comments by the laboratory faculty staffs			
<p>In laboratories for transportation and disaster prevention city development, we are conducting extensive research on studies concerning transportation (automobiles, Shinkansen bullet trains, airplanes, cruises), regional public transportation, emergency medical care, tourism, disaster prevention, and big data. After laboratory rooms are assigned, in addition to the knowledge gained in undergraduate courses, research will continue while studying various analytical methods, data acquisition methods, GIS, traffic flow simulation software, etc. In addition, we are also carrying out research focused on specific locations, such as implementing damage surveys in areas affected by disasters.</p>			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2021.3	Study on effective bridge inspection using sensor data		
2021.3	Study on Traffic Signal Control based on Fuzzy Control Theory(for Roads in Kanazawa City)		
2021.3	A Study on citizen behavior for revival of central city area in Kanazawa		
2021.3	A Study on evacuation consciousness using time-series data during large scale flood disaster		
2021.3	A Study on consciousness of cruise tourism during COVID-19 and port of call sightseeing		
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2021.3	A Study on consciousness of cruise tourism during COVID-19 and port of call sightseeing
2020.3	Development of bus route evaluation model focusing on physical performance and hospital visits of elderly
2020.3	Study on The Advancement of Third Emergency Medical Care and Emergency Transport Using Emergency Transport Data
2020.3	Study on suffering of the people requiring assistance during a disaster using National Health Insurance database.
2020.3	Research about problems of foreigners in emergency and sudden disease
2020.3	A study on the method of formulating work classifications by operators in road snow removal
2020.3	Study on Demand of Using Aviation in Region where have less of Utilization Rate of aviation -Focused on Fukui Prefecture-
2020.3	Study on Reduction Possibility of The Mark Setting Number of Sheets by The Regulation Section in The Highway Using The Driving Simulator
2019.3	A study on the satisfaction, behavior and consumption of cruise passengers
2019.3	A study on the health city planning using KDB data
2019.3	A feasibility study of the new transportation system using traffic simulation
2019.3	A study on the utilization of UAV for civil engineering fields
2019.3	A study on the person with consideration in case of disaster health big data
2018.3	Study on the mode choice factors after the opening of the Hokuriku Shinkansen
2018.3	Study on the Influence on Traffic Flow Considering Urban Characteristics of Autonomous Vehicle
2018.3	A study on the relationship between onset factors of diseases of expensive medical fee and local characteristic using the National Health Insurance Database
2018.3	A study on the strategic marketing for travel demand toward cruise promotion in Japan
2018.3	Study on the self-help and mutual assistance using regional food during large scale disaster
2018.3	A study on the methodology of strategic bridge maintenance plan using regular inspection data
2017.3	STUDY ON THE TRAVEL BEHAVIOR OF WAKURA ONSEN AND NANA O REGION AFTER THE HOKURIKUSHINKANSEN OPENING
2017.3	Study on the actual conditons of sightseeing behavior, consumption and satisfaction —focused on the Kanazawa City, Ishikawa Prefecture—
2017.3	Analysis of introduction effect of doctor-helicopter in Ishikawa prefecture
2017.3	ANALYSIS OF EVACUATION BEHAVIOR OF RESIDENTS DURING A LARGE SCALE DEBRIS FLOW DISASTER
2016.3	A study on decision support of the large-scale evacuation planning around the nuclear power plant and its evaluation using the traffic micro-simulation
2015.3	A study on public transportation in a peninsular depopulated area and a plan of area cooperation
2014.3	An empirical study ablut the realities of emergency medical carein the great east japan earthquake
2014.3	Improvement effect and valuation of bicycle running environment model project throughout the country
2013.3	Actual condition of regional public transport in lalcal government and impact of merger of municipalities as viewed from a national survey
Recent Doctoral theses in these 3 years (+ more if appropriate)	
year.month	Thesis title (including English translation of Japanese thesis title)
2021.3	Study on practice of the inflection of the probe data in duties of the road traffic
2021.3	A Study on Real-Time Remote Inspection Support System for Strategic Bridge Maintenance
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2021.3	A Study on Real-Time Remote Inspection Support System for Strategic Bridge Maintenance
2020.9	Practicing comprehensive social problem solving and interdisciplinary research through collaboration between local governments and universities
2020.3	Study of disaster risk assessment of road-network focused on hazardous point
2016.3	Disaster Risk Analysis of the Emergency Transportation Road for Large-scale Disasters in Japan

2016.3	Study of central city activation measures in regional city that focuses on the pedestrian excursion behavior
2016.3	Study on planning theory for station square of ordinance-designated cities, core cities and special cities
2015.3	A study on the planning and implementation process of the comprehensive local public transport policy by the wide-area regional cooperation of the municipalities
2014.3	A study about the influence to road traffic and the measure which are chosen traffic jams in a sudden natural disaster
Laboratory mail address	
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