

List of Dissertation Abstract (Innovation Management and Environmental Sciences)

Name	Supervisor	Title	Abstract
Hisae YANAGISAWA	Takatoshi ANDO	The reason for gathering in citizen's learning initiatives – Requirements of Community in Cities –	This research focusing the citizen's learning initiatives, and aims to clarify the effects of gathering in the citizen's learning initiatives, and to present what kind of conditions offers the new community to the residents. This study found the resident's 6 effects, explained as follows: easy to self-care, knowing the area in a flat relationship, etc. Based on 3 concepts found in the analysis. In the conclusion, the study found the reasons for meeting in the citizen's learning initiatives, "a community that focuses on local issues," which is necessary for establishing a Community-Symbiotic Society.
Dina Lismita	Takatoshi ANDO	Difficulties of Pregnancy, delivery, child care of Indonesian Muslim Female in Japan	The number of nationality (place of origin) of foreign registrants in Japan reaches 186 countries, and about 1.5 million who are three quarters of them are said to be foreigners of so-called Newcomers. Thus, as newcomers in Japan increase, the number of foreigners who are giving birth to children in Japan is also increasing. I think that they should pay attention to their spiritual support, health, and parenting support.
Hiroki SOUTOME	Hiroki HONDO	Exploring conditions to maximize CO2 reduction effects of ground- source heat pumps	The purpose of this study is to find effective GSHPs installation to reduce CO2 emissions from air conditioning in commercial buildings. This study assumes conditions based on the four factors (i.e. climate, grid power, building size, existing air conditioning system), and estimates life cycle CO2 emissions. The estimation results reveal that when GSHPs substitutes for "absorption chiller-heater" in the "area with low CO2 emissions factor of grid power", CO2 reduction effect is the highest.
Naomasa TSUZUKI	Hiroki HONDO	Effect of Daily Approach on Psychological Proximity to Photovoltaic Systems : Design of Digital Signage Aiming to Pro- Environmental Behavior	The purpose of this study is to improve the psychological proximity to solar photovoltaic (PV) systems leading to promote pro-environmental behavior. Therefore, in order that people who use public facilities installed with PV systems increase the psychological proximity to PV systems, digital signage utilizing photographs of children with high eye-catching effect is Created. The analysis results of the questionnaire surveys are suggested that the created digital signage improve psychological proximity to the PV systems and promote pro-environmental behavior.
Yuuki NAKANO	Hiroki HONDO	Using "narratives" to grow support for renewable energy policy	The purpose of this study is to examine effects of providing narrative information on support for renewable energy policies. Two groups of university students were provided with two different types of information on renewable energy, namely, narrative and expository, and pre- and post-questionnaire surveys were conducted. Analysis of variance shows that neither information leads significant change of policy acceptability. However, it is suggested that narrative information leads to better acceptability than expository one for people whose consciousness to energy issues are low.

Eisho NAGATA	Masanori YASUMOTO	Purchasing behavior on SNS -The influence of the relationship between SNS's mutual followers and the nature of goods-	<p>The purpose of this research is to clarify "What influence is received from others who have a connection depending on the nature of goods when conducting purchasing behavior through SNS".</p> <p>Therefore, when analyzing the network focusing on the follow-up relationship on the SNS for each purchaser, it became clear that the purchasing behavior is affected by the relationship between SNS's mutual follow and the characteristics of specific goods.</p> <p>The significance of this research is to investigate human relationships on SNS that have not been researched much, to clarify the factors affecting purchase behavior through SNS and to give indication of utilizing SNS for business.</p>
Mayuko HIYAMA	Daisuke NARUMI	Study on the effectiveness of regional redesign around a betwixt mountainous area based on multifaceted evaluation	<p>In this research, we designed the regional redesign scenarios assuming concentration of sparsely populated settlements for betwixt mountainous areas, and examined the effect by intensive intensity on each indicator of economic, environmental and quality of life. As a result, economic efficiency linearly improved according to aggregation density, while environmental efficiency improved nonlinearly. In addition, although the quality of life is limited to qualitative evaluation, it is suggested that the intensification may decrease. From these results, it is shown that there is merits and demerits in concentration of sparsely populated settlements, and multifaceted evaluation is necessary.</p>
Wen,Chen	Daisuke NARUMI	Constructing an Energy Consumption and Cooling Load Prediction Model of Food Frozen and Refrigerated Equipment Based on the Experiment of Thermostatic Chamber	<p>In this paper, experiments were conducted to investigate the performance of the five types of refrigerated display cases in a thermostatic chamber. Based on the measurement data of experimental systems, the prediction models, such as the time series of cooling load and internal food temperature of five types of display cases, were developed. Furthermore, the prediction models were used to evaluate the refrigeration systems' energy consumption, refrigerate display cases' internal food temperature and cold leakage to the indoor environment of real food retail store.</p>
Yusheng BAI	Yoshikazu SHUSA	The strategy and competitive advantage of service platform enterprises in China -- about the organizational management of platform ecosystem	<p>The fourth industrial revolution prompted the development of the big data society and make the change to the ecosystem by the utilization of the data. The platform of China's enterprise is different from the platform of the European and American companies, and realizes the advanced integrated development of the platform ecosystem. In this research, we focus on China's platform corporate strategy and management of organizational relationship, and clarify the superiority of the former matching manufacturer and the organizational relationship of the present platform ecosystem by case analysis.</p>