

Proceedings of Graduation Thesis 2006
Department of Architecture, Faculty of Engineering, Hokkaido University

Contents

Accepted on Dec. 1st. 2006

【Structural Analysis】	Supervisors:M.Midorikawa,H.Takizawa,T.Asari	
ABURAKAWA Tatsuki	Energy response of building structures with uplift subjected to earthquake motions	1
HORI Hirotake	Seismic Response Analyses of Eccentrically Braced Full-Scale Steel Test Structure	3
MATSUNO Tomohiko	Seismic Damage Prediction of Reinforced Concrete Buildings in Hokkaido Based on Seismic Performance Index	5
WATANABE Kohei	Dynamics of the Iwan's non-dispersive damping model	7
【Structural Planning】	Supervisors:M.Ueda,M.Kikuchi,T.Koshikawa	
YANO Takahiro	Comparison of the past prediction formulae for drying shrinkage and creep of concrete	9
【Urban Disaster Protection Planning】	Supervisors:H.Kagami,N.Takai	
HONMA Shota	An Investigation of Nonlinear Site Response Effect on Strong Ground Motion of 2003 Tokachi-oki Earthquake Using the S-wave H/V Spectral Ratio	11
【Architectural History and Design】	Supervisors:Y.Kado,T.Ozawa,M.Ishimoto	
ENDO Yu	A study on the development of a redesign townscape and the residents consideration on the town planning based on historical elements -Case study in Esashi-	13
OIKAWA Naoyoshi	A study of Fishermen's Houses at Erimo in Hokkaido	15
KAWAMURA Kusamao	How the Architectural Institute of Japan has claimed for historical architecture -The Architecture to be preserved and its value-	17
NAKAGAWA Takeru	The development of semi Western-style Machiya in Hakodate during Meiji and Taisho era	19
YAMAZAKI Hitomi	A study on the former Fukagawa branch of Hokkaido Takushoku Bank,1937	21
NOZAWA Naoyuki	A study on the Banya of the Shiratori family in Hamamasu, Hokkaido	23
【Planning and Design of Living Environment】	Supervisors:T.Noguchi,M.Morishita	
KITA Aya	Neighborhood-Parks for children and elderly people in snowy districts	25
KIRI Keisuke	Townscape transformation of Sapporo city during 1975, 1990 and 2006	27
MATSUSHIMA Yasuhiro	Evaluation and improvement on housing outdoor spaces -Makomanai in Sapporo as case study-	29
YAMAGUCHI Kentaro	Living conditions and residents consciousness at group living areas -In case of Kujuro Heim in Sapporo-	31
WATANABE Masato	Spatial characteristics of Hokkaido villages' landscape -Shape and arrangement of agricultural facilities-	33
【Urban Planning And Design】	Supervisors:H.Kobayashi,T.Setoguchi,T.Ozasa	
OGURI Masami	Process of Making Partnership for Regional Planning in Hokkaido - A Case Study on Seven Cities in Mt.Yotei Area-	35
TAMURA Asagi	Issues and Directions toward Self-Management based on Citizens' Intention of Activities in Newtown - In Case of Kita-hiroshima Housing Estate and Tohbu Area-	37
HOTTA Shunji	Possibility and Problems of the Rurban Life Style toward Regeneration of Farm Village Area in Hokkaido - A Case Study of 4 Towns in the South Sorachi Region-	39
MAEDA Yuhya	A Viewpoint and Task of Responsible Partnership for Sustainable and Regional Revitalization in the Local Industrial City -In Case of a Society for the Study of Muroran Zero Emission Town-	41
YAHARA Yuri	The Actual Conditions and Developing Process toward Community Design by Using Regional Resources -In Case of Hokkaido Heritage-	43
YANAI Mina	The Actual Conditions of the Responsibility Development and Issues of Making Partnership toward Area Management -In Case of Geijyutsu-no-mori Area in Sapporo City-	45

【Architectural Environment】		Supervisors: M.Enai, H.Hayama H.Kikuta
SAKAI Koichiro	A Study on Grouping of Open Spaces and these Thermal and Air Environment	47
SHIRAISHI Yohei	Evaluation of the Indoor Environment for Highly Insulated Office Buildings Adopted Floor Cooling System with Thermal Storage Used Water as Heating Medium	49
HATANAKA Masahiro	Verification of the Floor Cooling Effect for Highly Insulated Office Buildings Adopted Floor Cooling System with Thermal Storage Used Water as Heating Medium	51
MATSUMURA Ryosuke	Investigation and Improvement of Thermal Environment in Bathrooms	53
MORIKAWA Shota	A Study on Energy Consumption of Common Spaces in Apartment Houses	55
【Environmental City Planning】		Supervisors:A.Koshizawa
AIZAWA Takuya	The Large-scale Shopping malls and Suburban developments in Compact City Aomori	57
SATOH Yuuki	The History of the City Planning Park and Boulevards in Otaru	59
TOMINAGA Yousuke	Planning Concept of Ofuna Garden City and Kamakurayama Garden Suburb	61
HIROSE Mitsunari	On the Role and Effects of the Height Control Zone in Sapporo	63
【Architectural Morphology】		Supervisors: H.Hayasaka,S.Mori
TAKAHASHI Hiromu	Relations between the Post Office and the Community of Underpopulated Areas in Hokkaido	65
TAMURA Ichiro	An Analysis on Urban Climate of Sapporo Based on Multi-sensor-data	67
Xu Liang	An Analysis of Present Forest Fire Situation in the North-East of China	69
【Structural Performance】		Supervisors:Y.Goto,T.Kitano
SATOH Yuki	Experiments on Shear Behavior of Composite Frames with Concrete Encased Steel Columns and Steel Beams	71
SHIMODA Kazuhiro	Experiments on Shear Resistance of Confined Masonry Walls with an Opening -Effect of Opening Area or Strengthening around the Opening-	73
【Building Materials】		Supervisors:O.Senbu,T.Hasegawa,T.Hasegawa
YONEDA Kyoko	Effects of alternating immersion on frost resistance of various concrete	75
MIYAMOTO Naoyuki	Effects of alternating immersion or freezing and thawing on the integrity of concrete and light-weight mortar	77
IGARASHI Motoaki	Effects of alternating immersion or freezing and thawing on the evaluation of floating dust stain on coating materials	79
YOSHIDA Sachiko	A study on the frost deterioration prediction of siding materials using the Critical Degree of Saturation Method - Effects of alternating immersion modeled after natural conditions -	81
MATSUI Tomohiko	Drying of insulation materials depend on the environmental conditions and the specifications of vented air layer for exterior wall	83