

Staff 2011

Urban space, system and planning

Hidenori TAMAGAWA

Professor / Dr. Eng.

Urban and Regional Analysis, Urban and Regional Planning

Rm.9-556, +81 426 77 1111 Ext. 4275

htama@tmu.ac.jp

Fumiko ITO

Professor / Dr. Eng.

Urban Planning, Urban Analysis, Analysis of Residential Environment, Cost-Benefit analysis of public projects

Rm.9-558, +81 426 77 1111 Ext.4273

itofumi@tmu.ac.jp

Shin AIBA

Associate Professor / Dr. Eng.

City Planning, Community Development, Planning System

Rm.9-566, +81 426 77 2359

aib@tmu.ac.jp

Taro ICHIKO

Associate Professor/ Doctor of Urban Science

Disaster-proof urban planning, Community development for Disaster prevention, Risk Management

Rm.9-553,+81-42-677 1111 Ext. 4272

ichiko-taro@tmu.ac.jp

Urban society, residents and institution

Tanji HOSHI

Professor/Dr. Med.

Urban Health, Public Health

Rm.9-565, +81 426 77 1111 Ext.4278

star@onyx.dti.ne.jp

Kenji TAKEMIYA

Professor / Dr. Eng.

Architectural Planning, Environmental Behavior

Rm.9-874, +81-42-677-2795

takemiya-kenji@tmu.ac.jp

Kahoruko YAMAMOTO

Associate Professor/Ph.D.(Sociology)

Urban Sociology, Community Study, Migrant Study

Rm.9-154, +81 426 77 1111 Ext. 4233

kahoruko@tmu.ac.jp

Motoki NAGANO

Associate Professor / Master of Political Science

Urban Administration, Local Government Policy Studies, Local Governance

Rm.9-560, +81 42 677 1111 Ext. 4163

nagano@tmu.ac.jp

1) Staff

Hidenori TAMAGAWA Professor/Dr. Eng.
Urban and Regional Analysis, Urban and Regional Planning
Rm.9-556, +81 426 77 1111 Ext. 4275 htama@tmu.ac.jp

2) Overview of Research Activities in 2011FY

Hidenori TAMAGAWA

A Fundamental Study on the Characteristics of Urban Model

Hidenori TAMAGAWA

The new implications of the gravity type model have been investigated. The overall effect by the reducing of distance-resistance parameter and the serious effect of location of facilities are theorized and simulated in two dimensional plane to make up a presentation in the international conference.

Studies on the Relation between Urban Space and Urban Activities

Hidenori TAMAGAWA, Lei Wang and Takumi Kasuya

The relation between freight energy and city distribution is investigated in China as joint study with a graduate student to make presentation in the international conference and a refereed paper.

And the relation between purse snatch and urban space is conducted by the occurring time in the Tokyo 23 wards.

A Study on Urban Theory

Yoji MIYAZAKI and Hidenori TAMAGAWA

A comprehensive review is conducted about the urban theory of Jane Jacobs. Studying her works of urban planning, urban economy, human ethic and culture, the nature and future of the city is considered.

3) List of Research Activities in 2011FY

Hidenori TAMAGAWA

1. Refereed Papers

Lei Wang & Hidenori Tamagawa, "The characteristics of rail freight transportation and provincial factors in China", *International Journal of Urban Sciences*, Volu

me 15, Issue 1, 2011.4, pp.47-59.

Hidenori Tamagawa, "The Implications of Using a Gravity Model to Determine Territory in a Circular Domain", *Procedia - Social and Behavioral Sciences*, Volume 21 (*International Conference: Spatial Thinking and Geographic Information Sciences*), 2011.9, pp.167-176.

2. Proceedings of Oral Presentations

Wang Lei and Hidenori Tamagawa, "A comparative study of the relation between city distribution and transportation energy consumption in Japan and China", *2nd International Conference on China's Urban Transportation and City Planning*, Cardiff in UK, 2011.5.

Hidenori TAMAGAWA, "Seoul-Tokyo, identity and exchange in the usual and emergence", Key note speech for *Seoul-Tokyo Joint Seminar 2011 "Current Issues on Urban Affairs of Capital City Seoul and Tokyo"* on 2011.9.26 at UOS in Seoul.

Lei WANG and Hidenori TAMAGAWA, "National land policy and prediction of rail freight transportation energy in China", *Seoul-Tokyo Joint Seminar 2011 "Current Issues on Urban Affairs of Capital City Seoul and Tokyo"* on 2011.9.26 at UOS in Seoul.

Taro ICHIKO, Shinji KAWAMURA and Hidenori TAMAGAWA, "Case study of preliminary actions for recovery planning in Noda village from the Tsunami", *Seoul-Tokyo Joint Seminar 2011 "Current Issues on Urban Affairs of Capital City Seoul and Tokyo"* on 2011.9.26 at UOS in Seoul.

Hidenori Tamagawa, "The Japanese current status and future outlook of Urban Sciences", Key note speech for *The retrospects and prospects of Urban Sciences -15th anniversary of College of Urban Sciences and 30th anniversary of Graduate School of Urban Sciences*, on 2011.10 at UOS in Seoul.

Hidenori Tamagawa, "What is compactness for the city?", *France-Taiwan-Japan Workshop -Globalization and Urban Dynamics in Asia, Comparative Approaches of Scientific and Political "Hot Issues"*, on 2011.12 at Maison Franco-Japanese in Tokyo.

3. Others

3-1. Technical books

Yoji Miyazaki and Hidenori Tamagawa, *The Nature and Future of the City*, Kajima Publishing co., 2011.5 (in Japanese)

3-4. Works/Others

Hidenori TAMAGAWA, Fumiko Ito, Taro ICHIKO, Tanji HOSHI, Kenji TAKEMIYA, Shin AIBA, Kahoruko YAMAMOTO and Motoki NAGANO, “Interdisciplinary scientific research to realize safety, security, and sustainability in urban areas”, Oral presentation for *ISSUE at TMU*, 2011.11.

Taro ICHIKO, Shinji KAWAMURA and Hidenori TAMAGAWA, “Case study of preliminary actions for recovery planning in Noda village from the Tsunami”, Poster presentation for *ISSUE at TMU*, 2011.11.

Lei Wang and Hidenori Tamagawa, “A Predicting study on the Rail Freight Transportation in relation to the National Land and Energy Policy in China”, Poster presentation for *ISSUE at TMU*, 2011.11.

(2) 英文版

1) スタッフ紹介

Fumiko ITO

Professor / Dr. Eng.

Urban Planning, Urban Analysis, Analysis of Residential Environment, Cost-Benefit analysis of public projects

Rm.9-558, +81 426 77 1111 Ext.4273 itofumi@tmu.ac.jp

2) 研究概要

Environment of residential area

The condition of the city, the evaluation of environment and the relationship between those are analyzed to get suggestion to create comfortable residential environment.

This year, we analyzed the result of the questionnaire survey carried out on residents of Hachioji-city and Obuse-town. We clarified the relationship between residents' view of health and the condition of the environment of their living area. The survey of children's play zone and the analysis of the distribution of Graffiti are also Conducted.

Information of urban structure and Real Estate

The supporting system for choosing visiting area based on individual preferences is verified using the result of the experiment held last year in Echigo - Tsumari Art Triennial. The tendency of the preference of visitors and the characteristics of the micro area of Triennial are clarified.

Analysis of Public Projects

Several public projects were analyzed by cost-benefit analysis.

- 1: Conjoint analysis of facility of the road side station "*Michi-no-eki*".
- 2: Hednic price analysis on the value of preservation of four-side enclosed courtyards (historical house in Beijing).

1) 研究概要

【饗庭 伸】

Study on reconstruction from disaster

Shin AIBA

I study on reconstruction plans and projects from Great East Japan earthquake. I support to plan reconstruction projects and actions in Ofunato city. Results are published on academic magazines.

Urbanism on population decreasing age

Shin Aiba

I discuss and examine a theory of urban planning and design. Results are published on discussion papers of symposium by CPIJ(city planning institute of Japan) and AIJ (architectural institute of Japan).

City planning with existing architectural stocks

Shin Aiba

I develop city planning methods to utilize or demolish increasing abandoned houses in a city area. I practiced a rehabilitation project of abandoned house in suburban area of Tokyo, and planning project of a master plan of utilizing and demolishing abandoned houses in local city.

Comparative study on machizukuri in east Asian countries

Shin Aiba

I compare policy, history and practice of machizukuri in Japan, Taiwan and Korea. I prepare a book to publish the results.

Technologies to support machzukuri

Shin AIBA

I develop a technologies to support discussion and consensus building by citizens. I develop a system to support discussions of townscapes by citizens using smart phone devises.

1. 審査論文

Shin AIBA, Satoshi NAKAYAMA, Akihiro SUMITA et al: CITIZEN PARTICIPATIVE RESEARCH METHOD ON URBAN HEAT ISLAND, Journal of AIJ, No.38, pp.341-346, AIJ, 2011

2. 口頭発表

3. その他

3-1. 専門書

3-2. 研究報告

3-3. 解説・評論・一般論文

1) Staff

Taro ICHIKO

Associate Professor/ Doctor of Urban Science

Disaster-proof urban planning, Community development for Disaster prevention, Risk Management

Rm.9-553,+81-42-677 1111 Ext. 4272

ichiko-taro@tmu.ac.jp

2) Overview of Research Activities

(1)A study of run-away actions from the Tohoku region Pacific Tunami disaster

A run away action had made a significant role after the Tohoku region Pacific Tunami disaster. However cabinet office government of Japan surveyed those actions, it was not enough to inquiry reaction of designated person e.g. case workers and community leaders.

In this study, interview surveys were dedicated in Noda-village, Yamada-town and Ishinomaki-city.

(2)A study of a pre-disaster planning for post-disaster recovery

The building loss of the Tokyo capital earthquake directly above the focus was estimated five times bigger than the Hanshin-Awaji earthquake according to cabinet office government of Japan. It is inevitable to make and do mitigation strategy for not only directly loss like death and injured but also indirectly loss like housing damage. In this study, I supposed to make planning technology for disaster-proof community development.

In fiscal year 2011, firstly community workshops for post-disaster recovery in Bessyo district, Hachioji-city were planned and managed especially focused on some community-help until life activities restored. Secondary an action research on the 13th municipal staff training by TMG was done.

(3)Development of learning programs for high school students to encourage disaster imagination and reaction capacity

After the Tohoku region Pacific Tunami disaster, there were a lot of students in Tokyo who could not go back to home until next day because of railways and bus service were stopped. It is necessary to prepare those immediate actions on a high school among a local government, a school office, a community and each family unit.

In this project, it is aimed that high school students could make adequate actions after a big earthquake disaster.

In this fiscal year, interviews to an administration of education and the leading workshops in Tanashi industrial high school were put into practice.

3) List of Research Activities

1. Refereed Papers

Taro ICHIKO(2012)Ten Years of Pre-Disaster Community Development for Post-Disaster Recovery in Tokyo, Journal of Disaster Research, Vol.7 No.3, pp.215-226

Taro ICHIKO, Jin Yoshikawai and Itsuki Nakabayashi (2011)Pre-disaster planning for post-disaster recovery in Tokyo - Case study in Nerima Wards -, 11th International Congress of Asian Planning Schools Association, E-6-1

1) Staff

Kenji TAKEMIYA Professor / Dr. Eng.

Architectural Planning, Environmental Behavior

Rm.9-874, +81-42-677-2795 takemiya-kenji@tmu.ac.jp

2) Overview of Research Activities in 2011

Architectural Planning of Medical Emergency Center

Kenji TAKEMIYA

This study aims at making clear the characteristics and architectural planning of medical emergency center. This year we had two research projects.

1) To show the current conditions and issues of the medical emergency centers in Japan, questionnaire survey of the 233 medical emergency centers were carried out.

2) To show the requirement of the facilities in medical emergency center, interview survey were carried out in some medical emergency centers.

Study on Support System and Care Environment for the Patients with Mental Disease

Kenji TAKEMIYA

This study aims at re-arrangement of the mental hospital and support facilities in Japan from users point of view. Analyzing the utilization of the space and patients' behavior in the acute ward, we got new findings for ward planning.

Studies on the facility planning that corresponds to the progress of cancer care

Kenji TAKEMIYA

This study is intended to show the planning requirements of the support environment for cancer patients and their families. We conducted the field survey in the cancer salons and cancer counseling and support centers in Shimane Prefecture and analyzed by the following three aspects.

1. To clarify the position of the cancer salons in the cancer policy in Shimane Prefecture

2. To clarify the management, the spatial configuration and the actual usage of the cancer salons

3. To clarify the management, the spatial configuration and the actual usage of cancer counseling and support centers

3) List of Research Activities in 2010

Proceedings of Oral Presentations

Yongil JEON, Kenji TAKEMIYA

Facility Planning for Cancer Counseling and Support Centers: A Case study of Cancer Salons in Shimane Prefecture

Proceedings of the International Symposium on Sustainable Urban Environment 2011, p.97-98, 2011

Kenji TAKEMIYA, Kenichi KOBAYASHI

Characteristics of the Disease-specific utilization in stand-alone Emergency Medical Center, Basic Study on facility planning of Treatment Environment in Emergency Medical Center, **Journal of Japanese Association for Acute Medicine**, Volume22, Number8, p.375, 2011(in Japanese)

Yongil JEON, Kenji TAKEMIYA

Cancer medicine and the facility planning in Japan

University of Seoul • Tokyo Metropolitan University Joint Seminar 2011, SEOUL (in Korean)

Yongil JEON, Kenji TAKEMIYA

Basic study on the Facility planning of Cancer Counseling and Support Centers
Journal of the Japan Society for Healthcare Administration, Vol.48 Supplement, p.165,
2011(in Japanese)

Mayuko IMAIZUMI, Kenji TAKEMIYA

Analysis on childcare environment in the day-care center for sick children

Summaries of Technical Papers of Annual Meeting E-1, AIJ, pp.157-158, 2011 (in Japanese)

Noriyuki UEKASAKA, Kenji TAKEMIYA

Study on architectural planning of the respite care facilities for children with severe

motor and intellectual disabilities

Summaries of Technical Papers of Annual Meeting E-1, AIJ, pp.173-174, 2011(in Japanese)

Yongil JEON, Kenji TAKEMIYA

Facilities Improvement Status of Cancer Counseling and Support Center and Analysis of Advanced Cases

Study on the planning of health care facilities for developed treatment for patients with cancer (4)

Summaries of Technical Papers of Annual Meeting E-1, AIJ, pp.247-248, 2011(in Japanese)

SHIMAZU Erena , KOBAYASHI Kenichi, TAKEMIYA Kenji

Study on Configuration of Examination and Treatment Rooms in Emergency Medical Centers in Japan

Research on Treatment Environment in Emergency Medical Center Part 4

Summaries of Technical Papers of Annual Meeting E-1, AIJ, pp.273-274, 2011 (in Japanese)

Motohiro YASUI, Kenji TAKEMIYA

Study on spatial configuration and utilization characteristics of the Lobby in Community Center

A case study in Musashino City

Summaries of Technical Papers of Annual Meeting E-1, AIJ, pp.303-304, 2011(in Japanese)

Hiroki AKUTSU, Kenji TAKEMIYA

A study of Secular change in the Living aspect and Life-style of Rental housing only for the independent elderly people in daily life

Summaries of Technical Papers of Annual Meeting E-1, AIJ, pp.317-318, 2011 (in Japanese)

Kei YOKOMORI, Kenji TAKEMIYA

A study on the movement of childcare residential buildings

Comparative study on recognition system by local government and private enterprise
Summaries of Technical Papers of Annual Meeting F-1, AIJ, pp.1367-1368, 2011 (in
Japanese)

Ayumi MINENO, Kenji TAKEMIYA

Characteristics of promenading of the people with visual impairment in Hino, Tokyo
Summaries of Technical Papers of Annual Meeting F-1, AIJ, pp.1491-1492, 2011 (in
Japanese)

【Kahoruko YAMAMOTO】

2. Overview of Research Activities

Urban Sociological Study on Social Structural Changes and Reconstruction of Urban Inner Area

The Study has been focused on social structural changes in urban inner areas, taking a case of Kotobuki, Yokohama and focusing on the issues below; 1) change in industrial structures, 2) Globalization and increasing numbers of foreign residents and migrant workers, 3) town development plan engaged by public administration and NPOs. The academic aim is to clarify 1) how these three points affect over changes and reconstructing of local communities, and 2) how social lives of residents have changed.

Research on Social Changes of Ex-Mining Town

The research has been conducted in Ube City and Mine-City of Yamaguchi Prefecture, focusing on social structural changes after the mine closing.

Research on Social Condition of the Evacuees from Fukushima

As a research group, we have conducted interviewing research to bring out the social condition of evacuees from Fukushima, especially from Tomioka Town.

3. List of Research Activities

3-2. Proceedings of Oral Presentations

Yamamoto, Kahoruko

“'Creative City' Plan and Social Changes of the Inner Area in Yokohama ”

Japan Association for Urban Sociology, the 29th Annual Meeting, Sept. 2011.

3. Others

Yamamoto, Kahoruko

“The disparity between wealth and poverty and communal society”

Japan Association of Regional and Community Society eds. *Keywords Communal Society*, pp.316-31, Harvest-Sha, May 2011.

Yamamoto, Kahoruko

“The Changes of Social Activism over the Migrant Workers”

Jun'ichi Akashi eds, *The Migrant Workers and The World Economic Crisis*. pp.159-174,
Akashi-Shoten, Sept. 2011.

Masashi SOGABE Lab. (Kanagawa University), Yasuaki ONODA Lab. (Tohoku
University), Nobuharu SUZUKI (Yokohama City University), Kahoruko YAMAMOTO
(Tokyo Metropolitan University)

“Learning from Kotobuki”

Tokyo 2050 // 12 Visions for the Metropolis, 24 September –2 October, 2011, Marubiru
Hall

Yamamoto, Kahoruko

“The Social inclusion and exclusion in the Urban Underclass Area: Kotobuki, Yokohama
as a Area of Welfare Dependency”

“City Planning Review” No.293, pp.48-50., Oct. 2011.

Kahoruko Yamamoto, Shin Aiba, Yoshiki Wakabayashi, Masumi Matsumoto, Hiroyuki
Tsubomoto, Kozo Kadowaki

“Report on Survey of Community Life in A Suburban City: Community Situation and
People Consciousness in Tachikawa, Tokyo ”

“Journal of Urban Sciences”, No.4, pp.71-86, Mar. 2012.

Annual Research Report (Motoki NAGANO)

Motoki NAGANO

Associate Professor / Master of Political Science

Urban Administration

Local Government Policy Studies

Local Governance

Tel +81-42-677-1111 Ext. 4163

Room 560

nagano@tmu.ac.jp

2. Overview of Research Activities in 2011FY

Study on policy making in local governments and citizen participation in local assemblies

In this investigation of policy making dynamics in Japanese local governments, I have focused on citizen participation in local assemblies. In 2011FY, I analyzed the relationship between citizen participation in the assemblies and policy development/policy initiatives introduced by the assemblies through the politimetric method, using national survey data on local assembly reformation. (I was a member of the research group that led this national survey; a citizen advocacy group, the Local Assembly Reformation Forum, conducted it.) My research found that reform-enhancing structures differed between legislation enacted by the assemblies themselves and policy changes made in response to executive initiatives.

Study on relevancy of random sampling-type citizen participation methods for disputed policy issues in municipal governments

I investigated the relevancy and ways of using citizen participation methods, in which participants are selected randomly from the basic resident register (recently called “Mini-publics”), in the handling of disputed policy issues in municipal governments. To accomplish action research, this year I joined the management team for the “Public Discussion Meeting for the Second Shinjuku City Implementation Plan” of Shinjuku ward, Tokyo. Its participants were all residents of the ward who were randomly selected. I also conducted survey research in all the municipalities of Saitama prefecture on how they implement program reviews, especially how “Mini-publics” citizen participation methods are being used in the reviews. The research report will be published in Japanese in the monthly journal *JICHIKEN* in May 2012.

3. List of Research Activities in 2011FY

1. Refereed Papers

Motoki NAGANO, Politimetric analysis on municipal assembly reformation and assembly outcomes, Local Government Policy Studies, Vol.25., No.1, March 2012 (in Japanese)

2. Proceedings of Oral Presentations

Motoki NAGANO, Brief of the results of the annual progress survey on local assembly reformation in Japan 2011, 11th Exchange Conference Between Citizens and Legislators for Creating Local Ordinance 2011, June 2011, Fukakusa, Kyoto, Ryukoku University (in Japanese)

3. Others

3-1 Technical Books

Motoki NAGANO, Analysis on local assembly fundamental ordinance articles: Reformation trends revealed in local assembly fundamental ordinances issued in 2010, Katsuya HIROSE and Local Assembly Reformation Forum, eds., White Paper of Local Assembly Reformation 2011, Seikatsusha Ltd., Tokyo, pp.204-223, June 2011 (in Japanese)

3-2. Research Reports/Papers

Motoki NAGANO and Katsuya HIROSE, Summary report of the annual progress survey on local assembly reformation in Japan 2010, Katsuya HIROSE and Local Assembly Reformation Forum, eds., White Paper of Local Assembly Reformation 2011, Seikatsusha Ltd., Tokyo, pp.84-89, June 2011 (in Japanese)

Motoki NAGANO, Summary report of the annual progress survey on local assembly reformation in Japan 2011, Katsuya HIROSE and Local Assembly Reformation Forum, eds., White Paper of Local Assembly Reformation 2011, Seikatsusha Ltd., Tokyo, pp.140-149, June 2011 (in Japanese)

3-3. Monographs

Motoki NAGANO, Local manifestos and fundamental plans of local governments; candidate selection and policy management based on municipal comprehensive plans, Journal of Training for Local Government Staff, 44(5), pp.35-37, April 2011 (in Japanese)

Motoki NAGANO, A study on collective leadership in community regeneration from urban regime analysis: A case study in Waseda, Tokyo, Journal of Urban Science, No.3, pp.87-98, March 2012 (in Japanese)