

Department of Urban Science and Policy 2018FY Annual Report

■ Staff List of the Department of Urban Science and Policy, Faculty of Urban Environmental Sciences (in alphabetical order of the family name)

Shin AIBA, Professor

Chisato ASAHI, Professor

Taro ICHIKO, Professor

Fumiko ITOH, Professor

Akira KANEKO, Associate Professor

Nozomi MATSUI, Professor

Motoi NAGANO, Associate Professor

Shigemi, OTSUKI, Assistant Professor

Mami OKU, Professor

Ken SHIRAISHI, Professor

Yoko SUGUHARA, Associate Professor

Masashi TAKAMICHI, Assistant Professor

Hidenori TAMAGAWA, Professor

Kiyomi WADA, Professor

Kahoruko YAMAMOTO, Associate Professor

Assistant Professor Otsuki transferred to Juntendo University in April, 2019.

<< Shin AIBA >>

1) Staff

Shin AIBA Associate Professor/Dr. Eng.
Urban Planning, Machizukuri
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2) Overview of Research Activities in 2014FY

1. Study on reconstruction from disaster

Shin AIBA

I studied on reconstruction plans and projects from Great East Japan earthquake. I supported to plan reconstruction projects and conducted an experiment to leave lessons and memories of disaster in Ryori village, Ofunato city. Results were published on academic magazines.

2. Urbanism on population decreasing age

Shin Aiba

I discussed and examined a theory of urban planning and design on population decreasing age. I gave advices on making city plan to some local government (Fukushima city, Hino city and Kobe city). And I also conducted a planning project to utilize abandoned house in a district of Hino city. Results are published on some articles.

3. Comparative study on machizukuri in east Asian countries

Shin Aiba

I researched community design projects in Republic of China and urban regeneration policy in South Korea comparing policy, history and practice of machizukuri in Japan, Taiwan and Korea.

4. Technologies to support machizukuri

Shin AIBA

I develop technologies to support discussion and consensus building by citizens. I develop a workshop method to support to build a system of “Area management” by citizens in Harumi district Chuo city.

3) List of Research Activities in 2018FY

2. Proceedings of oral presentation

Shin AIBA: Japanese community design in the age of population decrease, proceedings of 2018 Pacific Rim Community Design Network, CD-ROM, Pacific Rim Community Design Network, 2018. 12

<< Chisato ASAHI >>

1) Staff

Chisato ASAHI, Professor, Doctor of Urban Science

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2) Overview of Research Activities in 2014FY

1. Evaluation Research : A Study on Economic Evaluation of Public Facilities

Our study aims to examine the nature of facility evaluation and the method of facility evaluation in order to construct an evaluation method of public facility restructuring. First, we organize the basic position of benefit assessment of public facilities. Continuously, we organize the perspective of analysis on the value of public facilities. Next, we consider how to evaluate school facilities for non-purpose use as a case study, conducting a questionnaire survey on facility use for elementary school facilities for estimating the basic unit of benefits by discrete selection method.

This study is funded by RISTEX project “Designing a Sustainable Society through Intergenerational Co-creation”

2. Urban and Environmental Economics : Measurement of Regional Capital and

Interregional Migration

This study aims to show a measurement model of the local Inclusive Wealth Index considering the relations of the interregional migration and artificial, human, and nature capital per person, because it is necessary to take the migration endogenously into account in the local model of IWI. We conducted empirical analysis using Functional Urbanized Area data as a panel setting which is provided by OECD. The estimates results proposed three issues. Firstly, the green area per capita has negative effect on the population growth rate, which means that sustainability of urban area is maintained only if the shadow price of the green area should exceed the negative effect on the population. Secondly, the labor productivity has negative effect on the population growth rate, which suggests identification problem between the demand route and the supply one capital causes migration. Lastly, the difference between random effect model results and OLS ones implies that some urban area might have be some within effects.

3. Social Overhead Capital Management : Infrastructure Management for Sustainable Region

This study examines the legislative systems of regional infrastructure provision and maintenance in order explore to how regional infrastructures should be maintained and managed by Area-Management. We investigate domestic and international case studies with reference to the regional infrastructures' initiatives in terms of energy, regional public transportation, environment, disaster prevention and so on. We inspected Stadtwerke in German public service entities operated privately and are building up organizational model for mechanism design for positive analysis.

This study is conducted in participating as a visited researcher in a research project, "Efficient Maintenance Management of Regional Infrastructures by Area-Management" organized by Policy Research Institute for Ministry of Land, Infrastructure, Transport and Tourism" .

4. Urban and Environmental Economics : Future Perspective in People's Sense of Livelihood Recovery from the Great East Japan Earthquake

The indices of people's sense of livelihood recovery (SLR) from the Great East Japan Earthquake (GEJE) (2011) are a kind of well-being measurement that indicate the current recovery status of the survivors and what they need most at a given time in the lengthy

recovery processes. This study aims to investigate whether the SLR has implicitly gained a future perspective as well as the corresponding implications for reconstruction policies. We used a part of the SLR panel data from the GEJE from 2012–2018. The analytical framework is prospect theory, which enables us to regard the changes in SLR as changes in welfare from reference points the respondents personally hold in their minds. We tested the hypothesis that the reference points of the affected have changed from the pre-disaster level to the desired level, which is defined depending on personal and regional recovery contexts.

3) List of Research Activities in 2018FY

1. Peer reviewed paper

Fumiko Kimura, Kiyoko Hagihara, Noriko Horie and Chisato Asahi, Supporting Organization for Social Enterprises : Intermediate Organization Case, Studies in Regional Science, Vol. 48, No. 1, 2018, 51– 70.

2. Proceedings of oral presentation

Toshihide Matsumura and Chisato Asahi, “A Study on Economic Evaluation of School – Regional Utilization Other than Intended Purposes” , Collected Papers for Presentation In the 55th Annual Meeting of the Japan Section of the RSAI, Hokkai-Gakuen University 4-1-40 Asahimachi, Toyohira-ku, Sapporo-shi, Hokkaido 062-0911 JAPAN October 6-8, 2018 (in Japanese)

ASAHI, Chisato and HAGIHARA, Kiyoko, “Measurement of Regional Capital and Interregional Migration” , Collected Papers for Presentation In the 55th Annual Meeting of the Japan Section of the RSAI, Hokkai-Gakuen University 4-1-40 Asahimachi, Toyohira-ku, Sapporo-shi, Hokkaido 062-0911 JAPAN October 6-8, 2018 (in Japanese)

Fumiko KIMURA, Kiyoko HAGIHARA, Noriko HORIE , and Chisato ASAHI, “Study on Funding Support for Social Enterprise – Focusing on Social Finance” , Collected Papers for Presentation In the 55th Annual Meeting of the Japan Section of the RSAI, Hokkai-Gakuen University 4-1-40 Asahimachi, Toyohira-ku, Sapporo-shi, Hokkaido 062-0911 JAPAN October 6-8, 2018 (in Japanese)

Chisato Asahi, Yoriko Tsuchiya, and Itsuki Nakabayashi, “Future Perspective in People’s Sense of livelihood Recovery from the Great East Japan Earthquake” Poster presentation

at 2018_IDRiM, 9th Conference of the International Society for Integrated Disaster Risk Management (IDRiM 2018), Sydney, Australia from October 2-4, 2018

Yoriko Tsuchiya, Masayuki Kotani, and Chisato Asahi, "Differences and future issues of the "urban" and "rural" residential energy measures -Outlook after the end of the FIT purchase period by comparing Japan and Germany" 15th CEIS Poster Session, 2018/12 (in Japanese)

3. Others

3-1. Technical books

Chisato Asahi and Noriko Horie ed., Introduction to regional management for Seikatsu-sha", Showado, 2018/9 (in Japanese)

Chisato Asahi ed. "Building Resilient Regions" New Frontiers in Regional Science: Asian Perspectives 35, Springer, 2019/7 to be published, (Printing)

3-3. Commentary/essays, Book review

Chisato Asahi, Current Review: "evaluation literacy of maintenance effect", Expressways and Automobiles 'Kosokudoro to Jidosha', 2018 No.7, Vol.61 p.13, 2018/6 (in Japanese)

4) Funded Research Projects (Competitive Research Funds, etc.)

1. KAKENHI (Grant-in-Aid for Scientific Research)

As a Principal Investigator : Grant-in-Aid for Scientific Research (C), "Stock effects of Social Overhead Capital Provision focusing on the Relationship between Urban Employment Area and Non-Urban Employment Area. 2016-2019.

2. Others

As a Co-Investigator, Building a Support System to Public Facility Management for a Sustainable Region, JST/RISTEX: Project Year: Oct 2016 - Mar 2020.

<< Taro ICHIKO >>

1) Staff

Taro ICHIKO

Professor/ Doctor of Urban Science

Urban Planning, Disaster Research, Hazard Mitigation Planning

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2) Overview of Research Activities in 2018FY

1. Research of a long-term recovery for housing and a local society from the great east Japan earthquake in 2011

Seven years have passed since the great east Japan earthquake in 2011. From a point of view of the long-term recovery, I continued fieldwork survey in Kesennuma, Miyagi. One of those survey, an action research about a housing relocation project in Suginoshita community has been done.

In fiscal year 2018, some depth interviews were done for survivors and local administrations.

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

Disaster mitigation which means not only reducing disaster losses by pre-activities but also preparing for resilient recovery have been becoming more important for counter measures on for Tokyo capital earthquake. Those programs for pre-disaster recovery from a view of the planning theory is developed as a pre-disaster planning for post-disaster recovery. We also have been dedicating those programs accompanying with Tokyo Metropolitan Government and local municipalities.

In fiscal year 2018, community workshops for post-disaster recovery in Minami-Nagasaki456, Toshima-ward were managed and delivered. Adding to that, an action research on the 20th municipal staff training for a long-term recovery by TMG was done.

3. A study of disaster management as an aspect of gender equality

After the east Japan earthquake, refugee support as an aspect of gender equality has been more becoming important than ever before. In this study, surveys of women's life and livelihood recovery after the Tohoku disaster were conducted. And workshops for the disaster mitigation for gender equality were managed in Katsushika city.

3) List of Research Activities in 2018FY

2. Proceedings of oral presentation

Taro ICHIKO (2018) Needs and roles for city planning on the aftermath of disaster - a case study of community-based relocating recovery in the Great East Japan Earthquake, proceedings of International Planning History Society conference in Yokohama, July 18, 2018.

<< Fumiko ITOH >>

1) Staff

Fumiko ITO Professor / Dr. Eng.

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2) Overview of Research Activities in 2018FY

1. Environment of urban area and residential area

Fumiko Ito

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

This year, following topics are researched.

- i) Sustainable environment of residential area: Eco housing in the newtown area,
- ii) Electric Vehicle: Purchase preferences and its determinant factors,
- iii) The structure of demand and supply in housing market of secondhand apartments,
- iv) Relation between the change in sky factor and impression of street.

2. Estimation of urban environment and urban projects

Fumiko Ito

Urban environment and the urban projects for building up the environment were analyzed using GIS or benefit analysis. This year, following topics are researched.

- i) Conjoint analysis on the function composing Parking Area of highway,
- ii) Relation between the residents' estimation and the environment of housing environment,
- iii) Estimation of stations' territories by Kernel method using people flow project data,
- iv) Optimal location of bicycles and port for community cycle system.

3) List of Research Activities in 2018FY

1. Refereed papers

Shoko NISHIO and Fumiko ITO (2019) 'Statistical validation of utility of head-mounted display projection-based experimental impression evaluation for sequential streetscapes' "Environment and Planning B: Urban Analytics and City Science",
doi:10.1177/2F2399808318821693.

2. Proceedings of Oral Presentations

Hisako IRIE, Makiko TOMITA and Fumiko ITO (2018) 'Structural Equation Modeling of Relationships among Residential Environment and Health in Families with Children: Part 1. Multi-Group Analysis of Children' "Summaries of Technical Papers of Annual Meeting," the Architectural Institute of Japan, pp. 809-810. (in Japanese)

Makiko TOMITA, Hisako IRIE and Fumiko ITO (2018) 'Structural Equation Modeling of Relationships among Residential Environment and Health in Families with Children: Part 2. Multi-Group Analysis of Parents' "Summaries of Technical Papers of Annual Meeting," the Architectural Institute of Japan, pp. 811-812. (in Japanese)

3. Others

3-3. Research Reports / Papers

Yosuke SUZUKI, Shoko NISHIO and Fumiko ITO (2018) 'An Evaluation of comfortability for walking space around facilities of Tokyo Olympic and Paralympic Games', "Papers and Proceedings of the GIS Association of Japan," Vol.27, C-2-3. (in Japanese)

Shoko NISHIO, Yosuke SUZUKI and Fumiko ITO (2018) 'Impression of Streetscape and Visualization of its Spatial Distribution Around Facilities the Tokyo Olympic and

Paralympic Games’ , “Papers and Proceedings of the GIS Association of Japan,”
Vol.27,C-2-5. (in Japanese)

4) Funded Research Projects (Competitive Research Funds, etc.)

1.KAKEN-HI (Grant-in-Aid for Scientific Research)

Grant-in-Aid for Scientific Research S. ’Residential Environment Effect on Brain, Circulatory, Respiratory and Motile Organ: benefit evaluation of disease prevention’, (Principal-Investigator: Professor Ikaga, T., Keio University), 2017-2021, Co-Investigator.

2.Others

Commissioned Survey Research, Japan Society for the Promotion of Science ’Academic Research Trend on Urban Planning: The Application and Development of Urban Analysis, Spatial Information Science and the Associated Subjects Related to the Formation of Urban Environment’ 2017.4-2018.3, Principal Investigator.

Priority Allocation of Research Funds (for the Entire University) at the Discretion of the President. ’Multilateral Research on Accessibility of the Olympic and Paralympic venues, and, their Universal Design and Continuous Use of Venue Facilities’ (Research director: Yoshikawa, T.), 2017-2019.3, Co-Investigator.

<< Nozomi MATSUI >>

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Nozomi MATSUI Professor / M.A. Law

Public Administration

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2) Overview of Research Activities in 2018FY

1. A study of Interagency collaboration in the public sector

2. A study of Intergovernmental support for staff after the Great East Japan Earthquake.
3. A study of personnel management for female local officials.
4. A study on coordination system between Tokyo Metropolitan Government and 23 cities in the metropolitan area.

3) List of Research Activities in 2018FY

3. Others

3-1 Technical books

Masatsugu Ito(ed.), *Interagency Collaboration In the Public Sector:A Case-Based Approach*, Yuhikaku, Tokyo, February, 2019.

Specific contributions

Nozomi MATSUI, “Chap. 6 Consumer protection: control tower organization and policy package,” pp. 137-160. [in Japanese].

3-4. Commentary/essays

“Academic perspective in 2017 (2018-II) Public administration and Local autonomy” The Annals of Political Science Association 2018-II, 2018 , pp. 277-280. [in Japanese].

4) Funded Research Projects (Competitive Research Funds, etc.)

1.KAKENHI(Grant-in-Aid for Scientific Research)

Principal Investigator

• Scientific Research (C), “Autonomy and Responsiveness of Administrative Procedures in Local government” 2016-2018 /

Co-Investigator

• Scientific Research (B), “Cooperation and Collaboration among Multiple Administrative Entities Based on Comparative Case Analysis” 2015-2018.

• Scientific Research (C), “Intergovernmental support for staff after the Great East Japan Earthquake” 2017-2019.

• Scientific Research (C), “Coordination system between Tokyo Metropolitan Government and 23 cities in the metropolitan area” 2017-2019.

2.Others

- Nomura Foundation “Personnel management for female local officials” 2017-2020.
(Co-Investigator)

<< Motoki NAGANO >>

1) Staff

Motoki NAGANO

Associate Professor/ M. Political Science

Urban Administration, Local Governance

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2) Overview of Research Activities in 2018FY

1. Citizen participation in urban governance

This year, I continued my ongoing study of the policymaking dynamics of Japanese municipal governments and citizen participation in these processes, focusing on two issues. First, I examined recent trends in local assembly reformation by nationwide mail questionnaire surveys. Second, I investigated the dynamics of planning and review processes at the local executive branch level, by observing and participating as an advisory committee member in several municipalities, or by the oral history approach.

3) List of Research Activities in 2018FY

2. Proceedings of oral presentations

Motoki Nagano, “Transformation of Urban Regeneration Policy in the Tokyo Metropolitan Government,” the Japanese Society for Public Administration Annual Convention 2019, May 26, 2018, Hongo, Tokyo, the University of Tokyo. [in Japanese]

Motoki Nagano, “Politimetric Analysis on the Outcomes of Deliberation Among Local Councilors,” Citizens and Councilors Conference for the Creation of Municipal Ordinances

2019 (spring), February 3, 2017, Akihabara, Tokyo, Tokyo Metropolitan University. [in Japanese]

3. Others

3-2. Research reports/papers

As co-author

Final report of the investigative commission on the future salary and other issues of the town and village assembly members. National Association Chairmen of Town and Village Assemblies, Tokyo, March 2019 [in Japanese].

Specific contributions

Motoki Nagano, “Chap. 2 Analysis of the National Survey on Payment and Quorum of Assembly Members” pp. 11-37, in *ibid.* [in Japanese].

3-3. Monographs

Motoki Nagano & Yuriko Minamoto, “Difference of Deliberation Approach in Participatory Review Process: Case Study of Saitama City,” *Evaluation Quarterly (Hyōka Kwōtarī)* (48), pp. 22-42. Institute of Administrative Management (Japan), January 2019 [in Japanese].

Motoki Nagano, “Structure and Results of Municipal Assembly Reform” , *Review of Law and Political Sciences (Hogaku Shirin)* 116(1), pp. 31-68. February 2019 [in Japanese].

3-4. Others

Commentary/essays:

Motoki Nagano, “Payment, Quorum, and Shortage for New Local Councilors,” *Local Autonomy Daily (Jichinippo)*, June 15, 2018 [in Japanese].

Panel Invitations:

Motoki Nagano, “Commentator: Review System and Strategic Planning of Municipal Government: The Experience of Nakano City,” *Research Association for Local Government Policy and Management (Jichitai Seisaku Keiei Kenkyukai)*, 9th annual research conference, October 2, 2018 (Nakano Sunplaza, Tokyo)

Lectures:

Motoki Nagano, “How Should Municipal Governments Effectively Incorporate Citizen Deliberation into Policy Decisions?” *Research Association for Current Urban Policies*

(Gendai Toshi Seisaku Kenkyukai), Monthly Research Workshop, Mitaka Ekimae Community Center, Mitaka City, June 24, 2018 [in Japanese].

Motoki Nagano, “Public-Private Collaboration for Machizukuri,” Tama City Lecture for Public-Private Partnership, Sekido Community Center, Tama City, January 27, 2019 [in Japanese].

Motoki Nagano, “On Municipal Governance: Assembly Reformation and Citizen Participation,” Yamagata City Council, Lecture Series for City Councilors, Yamagata City Hall, February 13, 2019 [in Japanese].

Media comments:

“More pay for recruiting local councilors,”

Hokkaido Shimbun (late morning edition), August 25, 2018 [in Japanese].

“Yamagata city council reviews its reformation,”

Yamagata Shimbun, February 14, 2019 [in Japanese].

“Low payments increase non-election in municipal assemblies,”

Mainichi Shimbun (first page of Tokyo edition), March 6, 2019 [in Japanese].

4) Funded Research Projects (Competitive Research Funds, etc.)

1.Grants-in-Aid for Scientific Research (KAKENHI Grants)

Co-Investigator, Scientific Research (B), No. 26285033, “Explicating originality and universality of Japanese municipal assemblies’ reformation movements.”

<< **Shigemi, OTSUKI** >>

1) Staff

Shigemi OHTSUKI Assitant Professor/Dr. Sociology

Racial/Ethnic Relationship in Japan, Social Stratification, Social Research

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2) Overview of Research Activities in 2018FY

1. Racial/ethnic Relationship in Japan

Using mixed methods, Ohtsuki focused on the relationship between Japanese and foreign nationals in a suburb area, Tokyo. Especially, Ohtsuki analyzed the social factor that facilitates their contact with the other group.

2. The Divide and Restructuring Between the Labor Market and The Local Community

In this research, Ohtsuki reconsidered the possibilities to restructure the connection between the labor market and the local community. Using empirical data conducted in Tama city, Tokyo, Ohtsuki analyzed the social factors that promote the residents' participation in local communities. And also, he focused on how to promote industry-university-government collaboration.

3. Multidimensional Aspects in Occupational Segregation

This study investigates the nature of occupational segregation using IPUMS-International data, JGSS data, and OECD data. Correspondence analysis is used to visualize the associations of educational attainment, gender, age, and occupation. Especially, Ohtsuki focused on the uniqueness of Japan by conducting the international comparison.

4. Social Stratification and Attitude Toward Society

Using SSM (Stratification and social Mobility) data, Ohtsuki reconsidered the relationship between the sense of unfairness and social stratification. By using correspondence analysis, the relationship was re-examined nonlinearly. Based on the prior research, Ohtsuki used the respondents' occupation and the degree to figure out the social stratification.

3) List of Research Activities in 2018FY

1. Peer-reviewed papers

Ohtsuki, Shigemi., 2018, "Determinants of Open Attitudes toward Foreign Nationals in Japan," *Societies Without Borders*, Vol12, Issue 2, 1-24.

2. Proceedings of oral presentations

Ohtsuki, Shigemi., 2018, “Factors Shaping Inter-Ethnic Interactions in Suburban Tokyo: The Perspectives of Japanese and Migrant Residents,” XIX ISA World Congress of Sociology, 2018. 7. 15-21, Toronto, Canada.

<< **Mami OKU** >>

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Mami OKU Professor/ MA. of Law

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2) Overview of Research Activities in 2018FY

Environmental Regulation and Informative Instruments

My research described the concept of “environmental regulation” in a broad sense and how informative instruments are being introduced in implementing environmental regulation. Through examining several legal systems having informative instruments in place together with regulatory or non-regulatory measures, I explored the further possibility of informative instruments in environmental regulation.

3) List of Research Activities in 2018FY

3. Others

3-1 Technical books

Mami Oku, “Environmental Regulation and Informative Instruments,” in *Modern Prospect of Environmental Regulation*, to be published, Horitsubunkasha.

3-2. Monographs

Mami Oku, “Court case on repeal of a license to transport waste - constitutionality of a mandatory license repealing system (20 September 2006, Tokyo High Court), in

Environmental Legal Case (3rd. ed), Jurist No.240, Uchikaku.

3-3. Others

Key note Speech:

Made a presentation on “Hierarchy of Waste Management Policy and Citizens Involvement in Japan” at the 11th 3R Conference for Asian Local Governments on 24 October, 2018.

<< Ken SHIRAISHI >>

1) Staff

Ken SHIRAISHI Professor/Ph.D. of Law

Law and economics, Behavioral economics, Economic crime

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2) Overview of Research Activities in 2018FY

1. Research on US corporate crime

The US policy of deterring business crimes has been changed from focusing on corporate compliance systems to focusing on individual responsibility since the Yeats Memo in 2015. In this research, we are examining to clarify the socio-economic background of the change of corporate crime deterrent policy.

2. Research on corporate culture and corporate scandals

In this research, we are examining effectively deterring corporate scandals that are caused by corporate culture, by empirically clarifying the formation process and accountability position of organizational culture in a company.

3) List of Research Activities in 2018FY

3. Others

3-1 Technical books

SHIRAIISHI, Ken. (2018) Corporate Crime, In Social safety policy (Ed.), Police Policy Society, pp236-256. Tokyo, Tachibana-Syobou (in Japanese)

3-3. Monographs

SHIRAIISHI, Ken. (2018) Kokesh v. Securities and Exchange Commission 581 U.S. No.16-529., Materials: Anglo-American Criminal Law Study (34) Overview of U.S. Supreme Court 2016 October Term Decisions, Comparative Law Review Vol.52 No.1, pp.111-113, INSTITUTE OF COMPARATIVE LAW WASEDA UNIVERSITY (in Japanese)

4) Grants-in-Aid for Scientific Research

1.KAKENHI Grants

Scientific Research (C) [Principal investigator]. Research on responsibility and deterrence theory of misconduct by corporate culture using text mining, 2018-2020FY

<< Yoko SUGIHARA >>

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Yoko SUGIHARA Associate Professor / Ph.D. (Health Science)

Health Sociology, Social Gerontology, Elderly Welfare

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2) Overview of Research Activities in 2018FY

1. The impact evaluation of the reformed of the National Long-Term Care Insurance (LTCI) system on the elderly people and their family caregivers.

We examined the multifaceted impacts of the reformed of the Japanese LTCI system on elderly people and their family caregivers, based on the surveys conducted in a municipality of Tokyo metropolis. We explored the following research questions: (1) The impacts of the increase in self-pay ratio for care services covered by LTCI on impaired elderly persons and family caregivers. (2) The psychological burden of medical care at

home among family caregivers of impaired elderly persons. (3) The differences in long-term care preference among elderly Japanese by age, period, and cohort.

2. Psychosocial factors related to malnutrition risk in community-dwelling older adults.

The aim of this study was to understand factors, particularly psychosocial factors, related to the risk of malnutrition in community-dwelling older adults. We conducted surveys for those 65 or older living in a city in the Tokyo Metropolitan Area. The following findings were revealed: (1) 14.5% were at a high risk for malnutrition, and 12.4% were at a moderate risk. (2) “female,” “severe need for nursing care,” “lower mental health,” and “lower self-rated health” were related to malnutrition risk, (3) the effect of contact with others was large for females and those in later older adulthood, (4) the effect of living in a community that is inconvenient for daily shopping was large for males and older adults living alone, and (5) the effect of Health literacy was large in early older adulthood.

3. A study on the mechanisms and the regulated factors of multi-layered social disadvantages among Japanese older adults.

Based on the data obtained from the nationwide survey and two regional surveys in Tokyo metropolitan area, we investigated the mechanisms and the regulated factors of multi-layered social disadvantages among Japanese older adults. We explored the following research questions: (1) Association between socioeconomic status and self-rated health / activities of daily living among Japanese older people. (2) Differences in the association between socioeconomic status and health by age, period and birth cohort. (3) Psychosocial mediators between socioeconomic status and physical activities. (4) Job demands, coping resources, and job satisfaction among older employed men in Japan. (5) Perceived neighborhood environment, social support, and physical activity among elderly Japanese.

3) List of Research Activities in 2018FY

1. Peer-reviewed papers

Yoko Sugihara. (2018). Willingness to continue working as district welfare commissioners in Tokyo: The roles of psychosocial rewards, role strain, and support. *Japanese*

- Journal of Public Health*, 65(5), 233–242, doi:10.11236/jph.65.5_233. (in Japanese).
- Erika Kobayashi, Yoko Sugihara, Taro Fukaya, & Jersey Liang. (2018). Volunteering among Japanese older adults: How are hours of paid work and unpaid work for family associated with volunteer participation? *Ageing & Society*, 1–23, doi:10.1017/S0144686X18000545
- Hidehiro Sugisawa, Yoko Sugihara, Erika Kobayashi, Taro Fukaya, & Jersey Liang. (2018). The influences of life course financial strains on health among older Japanese: An analysis based on four models. *Ageing & Society*, 1–22.
doi:org/10.1017/S0144686X18000673
- Ken Harada, Hidehiro Sugisawa, Yoko Sugihara, Masaya Simmei, & Shizuko Yanagisawa. (2018). Social support, negative interactions, and mental health: Evidence of cross-domain buffering effects among younger and older adults in Japan. *Research on Aging*, 40(4), 388–405. doi:10.1177/0164027517701446
- Hidehiro Sugisawa, Yoko Sugihara, & Yomei Nakatani. (2019). Long-term care among Japanese older adults: Differences by age, period, and cohort. *Ageing & Society*, 1–25. doi:10.1017/S0144686X1800171X.
- Hidehiro Sugisawa, Ken Harada, Yoko Sugihara, Shizuko Yanagisawa, & Masaya Shimmei. (2019). Health, psychological, social and environmental mediators between socioeconomic inequalities and participation in exercise among elderly Japanese. *Ageing & Society*, 1–19, doi:10.1017/S0144686X1900014X.

2. Proceedings of oral presentations

- Yoko Sugihara, Hidehiro Sugisawa, Yumiko Shimizu, & Yukako Koike. Psychosocial factors related to malnutrition risk in community-dwelling older adults. Japanese Society of Public Health 77th Annual Scientific Meeting. 2018.10.24–26. Fukushima. (in Japanese).
- Hidehiro Sugisawa, Ken Harada, & Yoko Sugihara. The relationships of time perspective, socio-economic status, and health habits among elderly persons in Japan. Japanese Society of Public Health 77th Annual Scientific Meeting. 2018.10.24–26. Fukushima. (in Japanese).
- Yumiko Shimizu, Yoko Sugihara, Hidehiro Sugisawa, & Yukako Koike. The related factors to the worry about health among elderly persons living in the metropolitan area: comparison between living alone and living with family members. Japanese Society of Public Health 77th Annual Scientific Meeting. 2018.10.24–26. Fukushima. (in

Japanese).

Yukako Koike, Hidehiro Sugisawa, Yoko Sugihara, & Yumiko Shimizu. The relationship between the long-term care service utilization and physical activities among the elderly persons who need for support. Japanese Society of Public Health 77th Annual Scientific Meeting. 2018.10.24-26. Fukushima. (in Japanese).

Hidehiro Sugisawa, Ken Harada, Yoko Sugihara, Shizuko Yanagisawa, & Masaya Shimmei. The process to inactivity among the elderly men with low educational attainment. Japan Socio-Gerontological Society 60th Annual Scientific Meeting. 2018.6.9-10. Tokyo. (in Japanese).

Yukako Koike, Hidehiro Sugisawa, Yoko Sugihara, & Yumiko Shimizu. The effects of health literacy and social support on physical activities of elderly persons who need for support. Japan Socio-Gerontological Society 60th Annual Scientific Meeting. 2018.6.9-10. Tokyo. (in Japanese).

Hirofumi Watanabe & Yoko Sugihara. The willingness of persons with dementia and their care plan. Japanese Society for the Study of Social Welfare 66th Annual Scientific Meeting. 2018.9.8-9. Nagoya. (in Japanese).

Shizuko Yanagisawa, Hidehiro Sugisawa, Ken Harada, Yoko Sugihara, & Masaya Shimmei. The process to obtaining the oral health behaviors among the elderly persons with low socio-economic status. Japanese Society for the Study of Social Welfare 66th Annual Scientific Meeting. 2018.9.8-9. Nagoya. (in Japanese).

Harada, K., Sugisawa, H., Sugihara, Y., Yanagisawa, S., & Shimmei, M. Job Demands, Coping Resources, and Job Satisfaction among Older Employed Men in Japan. The Gerontological Society of America 2018 Annual Scientific Meeting. 2018.11.14-18. Boston.

3. Others

3-4. Others (Speech)

Yoko Sugihara. The profiles of elderly persons with severe problems on their life. The training seminar for district welfare commissioners on the department of elderly welfare. 2018.5.25. (in Japanese).

Yoko Sugihara. Social welfare for the elderly people. The first time training seminar for district welfare commissioners. (first time) 2018.8.21, (second time) 2019.9.21. (in Japanese).

4) Grants-in-Aid for Scientific Research

1.KAKENHI

Scientific Research (B) [Principal investigator]. The impact evaluation of the reformed of the National Long-Term Care Insurance system on elderly people and their family caregivers: consideration of support system for preventing social exclusion. 2017-2020 FY, 4,000,000 JPY.

Scientific Research (A) [Co-investigator (kenkyu-buntansha)]. A study on the mechanisms and the regulated factors of multi-layered social disadvantages among Japanese older adults. 2014-2017 FY, 100,000 JPY.

Scientific Research (A) [Co-investigator (renkei-kenkyusya)]. The probability for frailty and socioeconomic disparities in health among Japanese older adults: Evidence from the national longitudinal survey. 2017-2019 FY.

Scientific Research (B) [Co-investigator (renkei-kenkyusya)]. Balance and conflicts in paid work, unpaid work at home, and community activities among elderly people. 2017-2019 FY.

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2) Overview of Research Activities in 2018FY

1. A study of regional revitalization focusing on the *Sotobori* of Edo Castle
2. A historical study on waterside space in central Tokyo.
3. Research on revitalization of public space using regional resource.

4. Practice and research on methods of town planning

3) List of Research Activities in 2018FY

2. Proceedings of oral presentations

Masashi TAKAMICHI (2018) “Research on Ishigaki, digging and topography of Tokyo” ,
Symposium-Materiality of urban space No.1-Relationship between city and architecture,
December 2018, Tokyo, Architectural Institute of Japan [in Japanese].

Masashi TAKAMICHI (2018) ” The role of waterside space in Edo-Tokyo – The History and
culture of urban structure seen from waterside space” , Joint seminar with UOS, October
2018, Tokyo, Akihabara satellite campus of Tokyo Metropolitan University.

3. Others

3-3. Research Reports / Papers

Masashi TAKAMICHI (2018) “A report on the modernization of Tokyo considered from the
SOTOBORI” , 『Monthly TOKYO JIN issued in January』, pp.54-61, January 2018[in Japanese].

<< Hidenori TAMAGAWA >>

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2) Overview of Research Activities in 2018FY

1. A Fundamental Study on the Characteristics of Urban Model

Hidenori TAMAGAWA

Continuing the long-term researches, I investigated the touching points between urban
analysis and urban planning. As for new characteristics of spatial territory model,

especially, the further implications of gravity models are investigated in respect of spatial structures on a fundamental level.

2. A Study on the Recovery of the Damaged Area by the Earthquake Disaster

Hidenori TAMAGAWA, Shinji KAWAMURA, Yasuchi NOZAWA, Taro ICHIKO and Their Students
With the Grants-in-Aid for Scientific Research by JSPS, we have exerted the charrette work shop in Noda village in Iwate prefecture after the recovery from the large earthquake and downpour including the revitalization for the local district.

3) List of Research Activities in 2018FY

3. Others

3-1. Technical Books

Hidenori Tamagawa “Compact city and ‘time’ ”

Chapter 11 in *Considering Compact City*, eds. Yasushi Asami and Masayuki Nakagawa, Progress Co., Ltd., Oct, 2018 (in Japanese).

3-4. Others

Article of the newspaper

“Eight Years after the Earthquake - continual supports by the students” , The Daily Tohoku, 2019.03.11

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2) Overview of Research Activities in 2018FY

1. A study on regional revitalization in Shimonoseki city, Yamaguchi prefecture

I studied on regional revitalization of Shimonoseki city in Yamaguchi prefecture with aim to explore the way to revitalize regional cities where depopulation and aging have advanced. This study is analysis focusing on town-planning council activities and community of Koreans living in Japan.

2. A study of urban and regional sociology of “the Korean Embassies”

I conducted research on cities in Japan, Korean with aim to grasp movements of self-governing bodies which had “the Korean Embassies ” , which had been implemented 12 times in the Edo Period, as cultural exchange activity. The achievement of this study was presented in the conference presentation and research paper under joint signature with the co-researcher.

3. A study on consideration of welfare community

This study is aimed to explore the concept of “welfare community” which was reconsideration of existence of “community” in modern times in the context of the changes of urban societies in Japan which has decreasing birthrate and aging of the population. As part of this study, I conducted researches targeted at Hachioji City with undergraduate and graduate students.

3) List of Research Activities in 2018FY

1. Proceedings of Oral Presentations

Kiyomi WADA, Jaewon NOH. (2018). “A Study on the Korean Embassies” , *Annual Conference of the Research Society for Comparative Folklore in Aichi University, December 9, 2017.* (Japanese)

2. Research Papers

Kiyomi WADA, Jaewon NOH. (2018). “Regional Revitalization of Regional Core City—A Case Study Shimonoseki City, Yamaguchi Prefecture in Japan, Vol.3” , *The Journal of Social Science and Humanities*, 515-1

Kiyomi WADA, Jaewon NOH. (2018). “City Comparative Study between Japan and Korea Regarding Reproduction of the Korean Embassies parade” . *Journal of Comparative Folklore* .39-4

<< Kahoruko YAMAMOTO >>

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2) Overview of Research Activities in 2018FY

1. Urban Sociological Study on Social Structural Changes and Reconstruction of Urban Inner Area in Yokohama, Japan

The Study has been focused on social structural changes in urban inner areas, focusing on the issues below; 1) change in industrial structures with Globalization and post-industrialization, 2) town development plan engaged by public administration and NPOs, 3) activities of local supportive organizations. 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.

2. Urban Sociological Study on Social Structural Changes and Reconstruction of Urban Inner Area in Vancouver, Canada

The study has been conducted in Downtown Eastside, the low-income neighbor in Vancouver, Canada. The research has been focusing on how gentrification impacts to a local community and their activities. Yamamoto conducted academic research at Department of Sociology, British Columbia University (Canada) as a visiting associate professor from May 2018 to December 2018.

3. 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 the evacuees from Fukushima, especially from Tomioka Town.

3) List of Research Activities in 2018FY

2. Proceedings of Oral Presentations

KahorukoYAMAMOTO, 'Potentials and Issues among Building and Rebuilding of Social Relationship according to Regeneration of Structures in Urban Areas', The Annual Conference of the Japan Research Society of Regional and Community Studies, Asia University, May 13rd, 2018. (Japanese).