

2024

Tokyo Metropolitan University
Graduate School of Urban Environmental Sciences
Department of Tourism Science



TOKYO METROPOLITAN
UNIVERSITY

ANNUAL REPORT

Department of Tourism Science
Tokyo Metropolitan University





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01 Research Staff



Regional and Urban Planning Unit



Tetsuo SHIMIZU

Professor
Ph.D. (Civil Engineering),
Tokyo Institute of Technology

Tourism Policy and Planning, Transport Studies



Susumu KAWAHARA

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Ph.D. (Engineering) Waseda University

Urban Design and Planning, Community-based
Tourism, Destination Management,
Public-Private Partnership



Yu OKAMURA

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Dr. of Engineering
The University of Tokyo

Urban Design, Conservation Planning,
Community-Based Tourism and Town Planning



Yuki OHIRA

Assistant Professor
Ph.D. (Engineering), Kobe University

Infrastructure Planning, Transport Studies



Takako KOHORI

Assistant Professor
Ph.D. (Agriculture), Chiba University

Collaborative Resource Management in Natural
Recreation Area



Norie HIRATA

Research Associate Professor
Ph.D. (Tourism Science),
Tokyo Metropolitan University

Place branding, Regional Planning, Space design



Nguyen Van Truong

Specially Appointed Assistant Professor
PhD in Tourism Science,
Tokyo Metropolitan University

Transportation, Tourism Behavior, Big data

Environmental Management Unit



Shinya NUMATA

Professor
Ph.D. Tokyo Metropolitan University

Tropical Biology, Urban Ecology, Protected Area
Management



Takaaki NIHEI

Professor
University of Tsukuba

Geography



Takeshi OSAWA

Associate Professor
Ph.D. Kobe University

Biodiversity Informatics, Conservation Science,
Ecosystem management



Etsuro TAKAGI

Assistant Professor
Ph.D. (Agriculture) The University of Tokyo

Forest zoology, Population ecology, Natural history



Yuki SAKAMOTO

Assistant Professor
Ph.D. University of Tsukuba

Human Geography, Cultural Geography

Behavioral and Management Sciences Unit



Kenro AIHARA

Professor
Ph.D. (Engineering)
The University of Tokyo

Information Engineering, Human-Computer
Interaction, Behavioral Science,
Cyber-Physical Systems, Crowd-sensing



Katsuya HIHARA

Professor
Ph.D. University of Tsukuba

Micro-economics, Management,
Tourism/Transport Policy



Yohei KURATA

Associate Professor
Ph.D. (Spatial Information Science)
University of Maine, USA

Tourism Informatics, Spatial Information Science



Wu Lingling

Associate Professor
Ph.D.
Hiroshima University

Tourism marketing, integrated tourist behavior
modeling, big data analysis in tourism



Yu OGASAWARA

Assistant Professor
Ph.D.
Hirosaki University

Social systems engineering

A Study toward Achieving Sustainable Local Public Transport Service

Tetsuo SHIMIZU

To explore effective policies for maintaining and improving local public transport services, the following research was conducted:

(1) The study examined the current state of collaboration among different transport modes, which is becoming more common in rural areas of Japan. As a case study, it

focused on the integrated railway and bus pass service in the eastern region of Tottori Prefecture. Through interviews with relevant stakeholders, the study identified existing challenges and provided suggestions for improving the project based on financial simulations.

(2) Using a method based on topological

data analysis, the research quantitatively extracted the structural characteristics of urban population distribution. It then proposed a metric called the "bus route consistency index" to measure how well bus routes align with these structures. The results confirmed that this index has a statistically significant impact on the number of bus users.

A Study on Improving the Functionality of Key Transport Terminals in Tourist Destinations

Tetsuo SHIMIZU

To develop policies aimed at enhancing the functionality of key transport terminals serving as gateways to tourist destinations, the following research was conducted:

(1) A method was proposed to quantitatively evaluate the signage systems of large-scale railway stations and to suggest optimal

placement. The effectiveness of this method was verified through the development of a program focused on Shinjuku Station.

(2) Focusing on the case of the privatization of seven airports in Hokkaido through bundling, the study utilized interviews

with relevant stakeholders and publicly available sources such as press releases to examine the effects of bundling beyond airport management efficiency. The findings confirmed that combining privatization with bundling can significantly enhance regional revitalization and user convenience.

A Study on the Allocation Decision-Making Process of Accommodation Tax for Sustainable Tourist Destination Management

Tetsuo SHIMIZU

Focusing on Kutchan Town, a pioneering municipality in the implementation of accommodation tax, this study examined the "PDCA cycle of tax allocation"—the process of monitoring and revising tax-funded projects—particularly emphasizing the "project allocation decision-making process"

from "P" to "D". Through interviews with relevant stakeholders, the actual state of fund allocation and its decision-making process and influencing factors were theoretically described using the SCAT method.

The findings revealed that consensus

building led by the local government and proactive financial support enabled the DMO to autonomously implement tax-funded projects. Furthermore, it was shown that collaboration between the DMO and related organizations contributed to the expansion of fund allocation areas.

Strategic Formation of Event Legacies for Tourism-Driven Urban Design and Regional Revitalization

Susumu KAWAHARA

This study aims to construct a theoretical framework for policies, planning, and management strategies that can strategically generate positive, long-term impacts and both tangible and intangible assets—collectively referred to as event legacies—from tourism events. These events, frequently organized by local governments, Destination Management Organizations (DMOs), and private sector actors, are among the most common initiatives in tourism development.

In the 2024 fiscal year, the research involved participation in the ECoCs Evaluation and Research Workshops held

in Bodø, Norway, under the theme "Impacts and Legacies of European Capitals of Culture (ECoCs): Reflecting and Developing Evaluation and Monitoring Practices." The workshop provided valuable insights into the evolution of research on evaluation methods for large-scale arts and cultural events, as well as emerging practices of legacy monitoring recently adopted by host cities.

Building on these findings, the study has initiated an investigation into methods for selecting monitoring indicators tailored to the specific

challenges and objectives of event-hosting cities and regions.

"Dialogic Reconstruction Planning through Oral Histories and Generative AI: Toward the Creative Recovery of Wakura Onsen"

Susumu KAWAHARA ,Tetsuo SHIMIZU

This study explores the practical potential of integrating oral histories and generative AI within the framework of dialogic reconstruction planning, aiming to support the creative recovery of Wakura Onsen, which was severely affected by the Noto Peninsula Earthquake on January 1, 2024. It builds upon the Kawahara Laboratory's long-standing methodologies in tourism-based community development through oral history research and editing.

Interviews were conducted with 23 individuals from 11 groups who have contributed to the local industries and community development in Wakura and neighboring areas. These narratives, combined with supplementary literature research, were compiled into a 100-page oral history book, featuring personal memories, regional histories, and future visions.

The project was closely aligned with the "Creative Reconstruction Plan for Wakura Onsen" (to be released on March 18, 2025), in which Kawahara served as an advisor,

thereby linking local testimonies with future planning efforts.

In addition, a custom database powered by generative AI was developed, using only the collected materials as its source. This system enables users to engage in

interactive dialogue with the AI to gain a multilayered understanding of both the reconstruction plan and the community voices behind it. The tool has shown promise for generating ideas for recovery and supporting broader community engagement. It is currently being prepared for trial use.



図 復興プラン、OH調査コンテンツ + 対話型生成AIで復興まちづくりへの関わりしるを増やすツールと仕組み作りへ

Developing a Place Branding Method through Social Experiments Based on Agricultural Resources

Susumu KAWAHARA

This study was conducted with the aim of developing a place branding method based on agricultural resources, focusing on Kobiki-cho, a major agricultural area in Hachioji City. Building upon issues identified in the previous year's survey of agricultural managers, the research adopted an empirical approach through social experiments in collaboration with local residents, municipal authorities, a university, and designers. To foster local awareness and engagement, a community newspaper titled KOBIKI TIMES was published to visualize the appeal of agriculture. Furthermore, a community market called Komichi no Marché, held along narrow farm paths, provided opportunities for interaction between farmers and citizens. These efforts encouraged young farmers to

pursue new initiatives and facilitated the creation of a new type of relational population interested in agricultural support. In addition, surveys on farmland utilization, scene sketches of

various potential uses of agricultural spaces, and interviews with farmers helped clarify both the possibilities and challenges of urban agriculture.



Ota Creative Town Concept and Practice

Yu Okamura

Ota Ward is a city where world-class technology and manufacturing overlap with a rich and enjoyable lifestyle. In April 2017, the Ota Creative Town Center was established by universities (Tokyo Metropolitan University and Yokohama National University), tourism associations, and local industrialists to realize the future vision of a "Creative Town" where the community itself continuously fosters value. In FY2024, the center worked on the "Refining Factories Project" to visualize the value and attractiveness of factories in the planning of the "Ota Open Factory," in which all factories are open to the public for a limited period of time, and

develop a new project to promote the use of factories and manufacturing as an educational resource. The company

also worked on the "Factrip" project, which utilizes factories and manufacturing as an educational resource.



Research on international technology transfer and network formation for sustainable tourism regional planning technology

Yu Okamura

Efforts have been accumulated in various places to create sustainable tourism areas as a whole by building a comprehensive method from the conception of a vision to the creation and provision of tourism contents and resource management. In this study, we call this "planning technology for sustainable tourism area formation," and focus on the international transfer of technology from overseas to Japan, its diffusion and transmission within Japan, and exchange and network formation among the regions concerned. We will examine how

the original model of the transferring country is localized to the specific conditions (policy, planning, environment, resources, industry, etc.) of the destination country, and how the relationships among regions that share this technological knowledge contribute to improving the sustainability of the tourism region in question. Furthermore, based on the above findings, the project will identify the possibility of transferring the "sustainable tourism region formation package" that has developed

independently in Japan, such as tourism community development in hot spring resorts and monozukuri (manufacturing) tourism, to overseas and the key points to be considered when working on such a package. In FY2024, the study focused on examples of distributed accommodation facilities, conducting field research on **Albergo Diffuso** in Italy and the pioneering domestic case in Yakage Town, Okayama Prefecture. This research was conducted with support from a Grant-in-Aid for Scientific Research (B).

Understanding Tourism Destination Renovation and Exploring the Possibility of Strategic Intervention

Yu Okamura, Susumu KAWAHARA

This section discusses the planning theory of "tourism area renovation" (gradual improvement of existing tourism areas) with the aim of creating sustainable tourism areas where the fruits of tourism to the area, such as economic benefits, lead to spatial improvements, while ensuring a certain degree of resilience against unforeseen events such as the Corona disaster and war. In other words, rather than making a large investment in a vacant area, it aims to

improve the tourist space through a series of small investments toward a common vision, and examines how planning interventions can be made based on the principles and methods of regional tourism planning that have been studied so far. This research is being conducted in the Architectural Institute of Japan. In FY2024, a student intercollegiate workshop was held in Asakusa, Taito City, Tokyo.



Developing Local Narratives and Implementing Action Programs in Nippori Fabric Town

Yu Okamura

Based on the three local stories and ten action programs proposed in FY2023, a foundational study was conducted from the perspectives of history, industry, and space. Additionally, discussions with stakeholders were deepened, leading to the implementation of a social experiment titled "The Landscape of Nippori Fabric Town Woven by History, Architecture, and Industry" from February 24 to 28, 2025. This event was co-hosted by Tokyo Metropolitan University and the Tokyo Nippori Textile Wholesale Cooperative Association.

The experiment aimed to shift the visitor experience from "Buy to Back Home (B to B)" to "Buy to Circulate Town (B to C)" by encouraging exploration beyond mere purchasing. During the period, several initiatives were carried out, including the installation of temporary information boards, an exhibition at the community facility Flat Nippori, and a stamp rally to enhance walkability. The effectiveness of these measures was then evaluated.

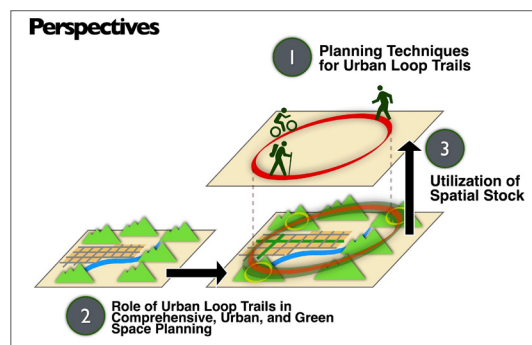


A Comparative Study of Urban Loop Trails in Major East Asian Cities

Yu Okamura

This study focuses on the planning techniques of urban loop trails in major Asian cities (Seoul, Taipei, Hong Kong, and Singapore), including the development of walking infrastructure, signage planning, and visitor attraction events, particularly in the context of pre- and post-COVID-19 developments. By conducting a comparative analysis, the study aims to understand recent trends in trail development projects. Furthermore, it seeks to clarify the positioning of these trail projects within the frameworks of urban planning and green space planning, while also

examining the characteristics of trail development and utilization in response to recent social and environmental factors. Based on these research findings, the study will explore the revitalization of "Musashino no Michi," which has been developed in Tokyo since the 1980s, and discuss the necessity and potential of establishing a citywide trail network in Tokyo.



Analyses of transport and tourism behaviours utilizing location-based big data

Yuki Ohira , Tetsuo Shimizu

We have investigated some travel and tourism phenomena utilizing big data related to location information, such as population statistics generated from mobile phone networks and probe data collected through route guidance applications. In FY2024, we utilized bicycle probe data to analyze characteristics of spatial structures and the surrounding environment of roads

travelled by cyclists and investigated a method for statistically estimating the causal relationship between the number of bicycle trips and the improvement of the road environment.

Studies on local public transport services and facilities in suburban and rural areas

Yuki Ohira and Tetsuo Shimizu

Many municipalities in Japan, mainly in the suburbs and rural areas, have found it difficult to maintain the service level of public transport services such as buses, and have reduced the frequency of bus services or converted to demand

responsive transport services. We explored policies to maintain and improve the living environment of those areas by updating public transport. In FY2024, we utilized a topological method to extract the

urban population distribution structure and analysed its relationship with the public transport network structure.

Collaborative Resource Management in Natural Recreation Area

Takako KOHORI

In this study, I examined collaborative resource management at natural tourist destinations, focusing on two cases with user contribution systems.

At Nasu Heisei-no-Mori, guided programs by interpreters effectively provided visitor information, but details on

maintenance and management activities were limited. In contrast, the Norikura Environmental Conservation Tax ensured stable funding for monitoring and personnel costs, yet declining tax revenue led to financial deficits. While conservation efforts benefited local flora and fauna,

increasing visitor awareness of these results was necessary.

This study provides a foundation for understanding the system and discussing effective information provision methods.

Development of a local learning program through the use of color to promote the creation of a resident-centered tourism community

Dr.HIRATA

In order to realize the creation of a sustainable tourism region, it is important for local residents to be actively involved in the management of local resources. In order to induce voluntary management by local residents, it is first necessary for them to learn about local resources. The purpose of this study is to develop, practice, and evaluate a program for local residents to make local tourism development a personal matter by utilizing color. We

define "local color palette" as a collection of local colors created by local residents themselves by learning about local resources and assigning the meaning of the resources to the extracted colors.

This year, we organised and analysed colour name candidate data and questionnaire data as the results of a workshop for the creation of a regional colour palette to induce a change in the consciousness of local residents in

Onjyuku-cho, Isumi District, Chiba Prefecture, which was planned and organised last year. In addition, part of the new regional learning programme research of this study was presented at the Architectural Institute of Japan Congress. This research was supported by Grant-in-Aid for Scientific Research for Young Scientists.

A Study on the Effects of Obtaining the Blue Flag for International Environmental Certifications

Dr.HIRATA

This study clarified the effectiveness of the Blue Flag (BF), international environmental certification through a survey of users of 12 certified beaches in Japan. The survey results tell that although the level of awareness of the BF varied between beaches, most users highly evaluated factors relate to the BF

certification criteria; "safety and security," "cleanliness," and "good water quality". It means that certification has a certain impact as a reason for beach selection. In addition, new ways of enjoying beaches have emerged in recent years, The potential for environmental

education programmes at beaches could be identified.

Part of this research was presented at the AIJ Symposium AIJ-SDGs Day 2025. Note that this research was funded by a joint research grant from the Shonan Research Institute of Bunkyo University.

Service quality for passengers

Nguyen Van Truong, Shimizu Tetsuo

Service quality is pivotal for not only passengers but also providers. From passengers' viewpoints, service quality is a determinant of their satisfaction and retention. On the providers' side, service quality decides the success or failure of their businesses. If providers supply low service quality compared to passengers' expectations, they likely give up using the service. However, service quality

improvement needs a trade-off of costs, and the improvement possibility depends on various service factors. In the long term, evidence indicates that service quality improvement tends to increase profitability in some cases (Zeithaml, 2000). When passengers are satisfied with the service, they tend to reuse it, and the providers have more opportunities to develop the service

and increase service quality based on income from passengers. In turn, higher service quality will attract more transport demand. This chapter provides a general theoretical background on the service quality, its measurements, analysis, interpretation, and policy implications corresponding to each research approach.

Research on overtourism

Nguyen Van Truong

Over-tourism has become a critical issue in many famous tourism areas in the world. This study determines determinants of tourists' satisfaction at a destination based on the difference between the actual experience and the expectation (perception) of tourists

before they travel. Then, policy implications will be formulated to fulfill the tourists' satisfaction and focus on these identified determinants. On the other hand, countermeasures to improve community satisfaction of tourists also proposed relying on the

determinants of local residents' satisfaction of tourists. The study is executed in the context of over-tourism. Biei or Kyoto will be chosen as a case study.

Research on public transport quality of service

Nguyen Van Truong

Service quality is a determinant of increasing public transport rider satisfaction. However, understanding of service quality and satisfaction relations has been limited. This study seeks an appropriate method to demonstrate the nature of service quality-satisfaction relations. The importance-performance

analysis (IPA) and the three-factor theory, the most widely preferred for public transport service quality prioritization based on the importance of service factors to rider satisfaction, will be utilized. The study takes transit service in Ho Chi Minh City (HCMC), Vietnam, to demonstrate that the

three-factor theory, which has been limitedly utilized despite being more advantageous and robust, is superior to the IPA. It suggests that enhancing passenger information, rider care, and comfort are recommended as the most practical and economical measures in the short run.

Development of wildlife tourism attraction in Asian tropical rainforests

Numata, S., E. Takagi,

The aim of the project is to develop a tourist attraction program using wildlife (VH: virtual hunting), and to construct management system towards tourism, conservation, and environmental education in ERNP. A camera trap system of wildlife-based tourist attraction "virtual hunting" is developed and implemented in nature and semi-nature area in ENRP

under the collaboration between TMU-UTM, JNPC, and JSG. The system involves video-trapping camera, tourists' activity (shooting), archiving, and data delivery as a trophy of the virtual hunting. In FY2022, we hold a field seminar to share how to use camera traps for tourist activity in

Endau Rompin National Park (ERNP), Peninsular Malaysia. Tourist guide and education materials was developed to enhance educational effect of VH. The wildlife has been monitored by camera traps as baseline information, and partly analyzed for conservation practice.

A study on spatiotemporal variation of durian productivity in Peninsular Malaysia

Numata, S.

Durian is an evergreen fruit tree native to Southeast Asia, where it holds significant economic and agricultural value. As a perennial crop, durian requires years to mature, and its productivity is influenced by both climatic factors (e.g., temperature, rainfall, and sunlight) and biological factors (e.g., resource allocation and pollination). However, the mechanisms controlling flowering and fruiting remain unclear. This study investigates the spatiotemporal patterns of durian

productivity by analyzing its reproductive phenology and the relationship between production and meteorological conditions. Over two years of monitoring, seven flowering events were observed. Peak flowering occurred about 50 days after the 15-day moving average rainfall dropped below 1 mm, suggesting that mild drought conditions trigger flowering. No

significant differences in flowering timing or frequency were found between grafted and seed-grown trees, indicating that genetic factors have minimal influence. Further analysis showed that prolonged dry periods increased flowering and yield, but continuous fruiting was rare, implying that internal resource availability is crucial for fruit set. Regional analysis in Malaysia revealed stable yields at the peninsular level but large variations at the district level, with excessive rainfall in 2017 leading to reduced production. (Aoi Eguchi Ph.D. thesis)

Spatiotemporal patterns of human-elephant conflicts in Kota Tinggi, Malaysia

Numata, S.

Human-wildlife conflict (HWC) arises when wildlife behavior threatens human interests, leading to negative consequences for both. Among these conflicts, human-elephant conflict (HEC) is particularly severe, causing crop damage, human injuries, and a decline in Asian elephant populations. Due to habitat loss from deforestation and human activity, the Asian elephant is classified as an endangered species by the IUCN.

In agricultural areas, frequent conflicts make it crucial to analyze the spatiotemporal trends and influencing factors of HEC. This study examines HEC incidents recorded from 2006 to 2015 in Kota Tinggi, Johor, Malaysia. Using a generalized linear mixed model (GLMM), we evaluated environmental factors

affecting HEC. Results showed that conflicts were concentrated along forest-agriculture boundaries, particularly near protected areas and mosaic plantations, which attracted elephants. Annual variations in HEC frequency and distribution were observed, likely influenced by water shortages in forests and human-induced environmental changes. Notably, HEC decreased in some areas following the installation of electric fences, highlighting the effectiveness of mitigation measures. (Yuna Tsubaki, Masters' thesis).

Laboratory Reports

T. Nihei

1. ORCID (Open Researcher And Contributor ID)
<http://orcid.org/0000-0001-6778-2148>

2. ResearchGate
<http://www.researchgate.net/profile/-Takaaki-Nihei>

3. Google Scholar
<http://scholar.google.com/citations?user=MH3HVfwAAAAJ>

4. ResearchMap
<http://researchmap.jp/read0163095?lang=en>

5. Nihei's Laboratory
<HTTP://2242.MOOO.COM/INDEX.HTM>

Establishment of Geographical Methodology for Tourism Science

T. Niheit

• This research topic was a requirement for me to get a job at this university. I will conduct this research with the help of international students. I will submit results from our laboratory to

international journals. The former articles of our laboratory are listed in these web-sites;

[HTTP://2242.MOOO.COM/INDEX.HTM](http://2242.MOOO.COM/INDEX.HTM)
<http://www.researchgate.net/profile/Takaaki-Nihei>

Biodiversity Informatics based on Natural history collectiont

Takeshi Osawa

We are conducting collection, organization, and explore effective usage methods for various natural history collections including specimens, observational information, and data from citizen science projects, which are not necessarily acquired based on strict research designs. In this year, several studies utilizing such data were

published:
 • A study combining specimen records and field surveys demonstrated that abandoned bamboo forests could serve as habitats for the mycoheterotrophic plant *Yuania japonica* (Yamaguchi & Osawa, 2024, Japanese Journal of

Conservation Ecology).
 • A study based on specimen data provided distribution records of brittle stars (Okanishi et al., 2024).
 • Another study integrated past observational records with field surveys to examine seasonal changes in bird communities (Iijima & Osawa, 2014).

Discovery and evaluation of Ecosystem servicesa

Takeshi Osawa

Benefits for humans that derived from natural and semi-natural environments are referred to as "ecosystem services." It is believed that ecosystem services range from those already recognized and actively utilized by humans to potential ones that are yet to be noticed. We are

conducting capturing the latent value of these ecosystem services and quantifying services that are recognized but not yet quantitatively assessed. In this year, a study was published demonstrating that farmlands originally located in wetland areas provide a

nationwide flood mitigation function as a secondary benefit, with this effect being particularly pronounced around river confluences (Osawa, 2024, Environmental Sustainability Indicators).

Biodiveristy in seminatural ecosystems

Takeshi Osawa

"Semi-natural ecosystems, which are ecosystems altered by human activities, often contribute to regional biodiversity. The role of seminatural ecosystems in conserving biodiversity, particularly around TMU is being examined. In this year, some studies were published,

including:
 • A study investigating the factors contributing to recent outbreaks of oak wilt in urban green spaces (Fujii, Takagi, & Osawa, 2024).
 • A study examining the potential coexistence of solar power plants and

semi-natural grasslands (Nakatani & Osawa, 2024). These studies provide insights into the conservation value of urban and semi-natural ecosystems."

Population dynamics of insects and its effects on social-ecological systems including tourism

Etsuro Takagi

"Insects are mega-diversity group. Their habitats are around the globe, and they play important roles in many ecosystems. In general, however, insects are not preferred by human. They are rarely tourist attractions.

Insects are ecosystem engineers in many ecosystems. Various insects modify ecosystems. Recently, an appreciation

has been developing of how these ecosystem engineers affect ecosystems ecologically and economically, namely property values, quantity and quality of marketable timber products, landscape aesthetics, recreational experiences, and tourism appeal. However, to data, limited information are available. Thus, I am focusing on

the ecological and economical effects of insects which are ecosystem engineers on ecosystems.

Three works have been out in scientific journals."

Geographical Study of Music Practice and Using Resources

Yuki Sakamoto

This study analyzed the connection between music and locality through a focus on "musicking" using case studies from Nanto City in Toyama Prefecture. By examining the process of music practice and the use of local resources, this study provides empirical evidence

of the relationship between music and locality. The study confirms that local residents who recognize the usefulness of music as a local resource are crucial for establishing a strong relationship between music and the local community. Further-

more, the study suggests that when music is utilized as a local resource, it can become a more community-based musical practice by involving people in the production of vernacular music.

Regional promotion measures using wine

Yuki Sakamoto

This study reports the current status of regional promotional measures and tourism in Nagano Prefecture, where many wineries have been established in recent years. In 2013, Nagano Prefecture planned the Shinshu Wine Valley Concept and focused on establishing

wineries and publicity activities. In 2023, it set a new goal, the Shinshu Wine Valley Concept 2.0, expanding the concept to tourism and regional development. In response to this trend, municipalities in Nagano Prefecture increased their wine

promotion measures, established wineries, and cultivated wine grapes in many areas. Furthermore, establishing wineries has stimulated tourism using wine as a resource, indicating that wine is utilized across primary and tertiary industries.

Research on advanced flow grasping methods base on collecting data from reserved spots and its analysis

Kenro Aihara

This research is being promoted with the aim of realizing "microscopic flow grasping" that realizes inflow and outflow to the target area and grasping the flow within the region by aggregating the movements of each individual. The purpose of this study is to propose and realize a methodology for recording, collection, analysis of moving vehicles that recognized by using detectors

installed at multiple points in the city in order to grasp the flow of automobiles. The system consists of a network camera, a processing PC, and network equipment for data transfer, and recognition results on the edge are aggregated in the cloud in real time. In FY 2024, trials were conducted at installation locations that had previously been deployed at roadside

stations and other transportation hubs. Measurements were conducted during continuous operation to identify operational stability and accuracy, as well as installation issues, and data analysis and utilization methods were carried out that incorporated user opinions.

Research about Risk Sharing Contracts in the Fields of Tourism and Transport

HIHARA Katsuya

"Some relationships between entities in different industries, such as the relationship between airports and airlines, have complex and multifaceted structures in which conflicting relationships and cooperative relationships coexist, are very much interesting from the viewpoints such as contract theory and game theory, etc. In Japan, we have some examples in which regional airports share the risk of route revenue fluctuations with airlines. Noto-airport

Load Factor Guarantee Mechanism (LFGM) Contract (2003-present) is one good precedent. The Ministry of Land, Infrastructure, Transport and Tourism (MLIT) is also considering risk-sharing relationship among airport and airline in deciding the allocations of Haneda Airport slots. Also in many of the concession contracts of the airport, demand fluctuation risk sharing of airport and airline is taken into consideration (2012-) in deciding

landing fee.

This study seeks to extend the analysis to a more general context. In fiscal 2021, from the framework of incomplete contract theory, analysis results are obtained about the optimal content of the risk sharing contract that shares the passenger demand fluctuation risk among the concerned parties by a simple linear payment scheme."

Development of methods about regional tourism statistics of data fusion with enhanced resolutions

HIHARA Katsuya, SHIMIZU Tetsuo (PI)、OGASAWARA Yu, OHIRA Yuki

Regional tourist destinations need to continuously acquire data on tourism phenomena and evaluations, which will lead to appropriate marketing and resource development. For that purpose, It is necessary to propose a methodology for improving tourism statistics and data with enough resolutions that are particularly useful for narrow-area DMO measures and business planning. In this research, we specialize in total number

of overnight stay data, and combine national tourism statistics, private data company stay population distribution data, Wi-Fi-packet sensor data, etc. and develop a method for estimating the total number of overnight guests by attributes in the tourist area with the spatiotemporal resolution level as fine as possible. In pursuing this, the measures and business needs of DMO will be thoroughly identified, and the

index data and estimation method Porto Folio necessary for the evaluation will be presented. Collaborating researcher: Tetsuro Hyodo (Tokyo Marine University), Naoto Yabe (Tokyo Metropolitan University), Kohun Sugimoto (Toyo University), Yukiko Katagiri (Kanazawa Institute of Technology)

Analysis of the spatio-temporal structure of accommodation prices using OTA data-taking into account the impact of the COVID-19 pandemic

Hihara Katsuya, Ogasawara Yu, Suzuki Shohei (Nihon University), Nemoto Kengo

"Price data for accommodation facilities (hotels and inns) is important for regional economic analysis. Although there are prices displayed by online travel agencies (OTAs), the data are mainly for individual facilities, and the data is compiled for a certain period within a certain region, making them difficult to grasp the time-space structure within the region. In this study, we aim to obtain daily time-series data on accommodation prices by room type

listed by Jalan, a major OTA in Japan, and capture the dynamics between regional areas (In Tokyo metropolitan area, central business district (CBD), 2nd CBD, East, and South sub-region, etc.) that are finer than prefectures.

Specifically, we conduct time-series analysis to obtain the time structure before and after the pandemic for the entire Tokyo metropolitan area. Next, we have estimated VAR models for

the time-space price structure of four sub-areas in the Tokyo metropolitan area using the weekly average accommodation price of the regional area. So far, the Granger causality has changed after the pandemic, suggesting the possibility of a structural transformation. In addition, impulse response analysis has revealed that the impact of the price increase shock in CBD on East and South regions has a greater impact on non-smoking double rooms for a certain time than the

Study of the Asymmetric Structures of Economic Contributions by Tourism across Regions in Japan

HIHARA Katsuya

"In the situation before the Corona pandemic, it is reported that tourism has positive impact on the whole country. However, little is known about the details of the economic effects at the regional level. This research focuses on the asymmetry (differences in produc-

tion, employment, and investment in the region) regarding the economic effects of tourism on the region. In order to assess whether tourism has a role in mitigating the asymmetry, we intend to assess the impact of tourism on macro-economic variables such as production, employment and invest-

ment. Through this study, it is expected that the effect of tourism in terms of the impacts on asymmetric structures in Japan, thus making meaningful implications to the policy or management practices. Collaborating researcher: Shin Mitama and Masashi Kizaki"

Analysis of Impact on Factors to Travel Intentions under Contagious Policies / Technical Change in Tourism Sector

HIHARA Katsuya

We intend to evaluate the impact on travel intention by the COVID-19 pandemic, mainly using samples of residents in Tokyo Metropolitan area. This study is expected to contribute to the evaluation of infection control measures, and also to contribute to the

preparation of measures necessary to respond to other pandemics that may occur in the future. At the same time, we intend to provide useful knowledge to practitioners by quantitatively evaluating the impact of contactless and touchless technologies on the intentions of hotel users. By analyzing

social attributes such as age, educational background, gender, etc., it is also expected to obtain detailed knowledge about the impact of various control measures during the corona pandemic crisis on travel/use intentions for each social stratum. Collaborating researcher: :Dolgon Davaajargal

Research about private lodging service over platformer transactions (Airbnb and others)

HIHARA Katsuya

This research focuses on private lodging services, such as Airbnb, among sharing economy. The web-based platform economy, such as Airbnb, brought about the revolutionary changes to the world, not just in trip arranging services, but also lodging service, real estate rental business. This research studies about numerous preceding academic literatures of the impact of Airbnb on the world from various disciplines, from

management, economics, sociology, information sciences and combine the study results in Japan. By this study, the impact of Airbnb on tourists, hosts of private lodging service, tourism industries, residents in regions, local communities are extracted and aligned, and comparative studies are executed about the methods of evaluations. The study shed lights on housing space sharing business, which

has been steadily on the rise before the pandemic. With all these studies combined and digested in this single study, it is expected for the new challenges facing such housing space sharing services to be outlined for the future researches. Collaborating researcher: :Emie Yara

Listing and Categorizing Monday-open Museums nationwide using location-reporting tweets

Yohei Kurata, Kennichiro Hori

Museums are one of the most important tourism resources in Japan. However, most museums in Japan are closed on Mondays, which trouble tourists. On the other hand, some museums that are open on Mondays. In order to realize the year-round operation of museums, it is important to learn from museums that are open on Mondays about their challenges and innovations. Therefore, we conducted a nationwide survey and classification of museums that are open

on Mondays. Specifically, we compiled a list of museums that had tweeted that someone had checked in during the day on Monday using a large amount of tweet data, and by checking the official website of each museum, we succeeded in detecting as many as 485 museums nationwide that were open on Mondays. Such Monday-open museums were classified into the following 14 categories: zoos and aquariums, castles, memorial

museums for the great, private museums in tourist areas, corporate promotion/mecenat facilities, visitor centers, children's education facilities, war-related historical sites, facilities attached to commercial/transportation facilities, facilities for the transmission of traditional crafts, historical theme parks, and religious museums. museums attached to universities, religious museums, plant-viewing facilities.

Analysis of Tourism Consumption Behavior of Inbound Tourists accompanied by Volunteer Guides in Shimizu-Shizuoka Area

Yohei Kurata

The data on volunteer guides' attendance records from three regions of Japan provided in 2017 have been analyzed for Tokyo (2017) and Kyoto (2023), and the last analysis of the data

for the Shizuoka/Shimizu area was conducted, and by a comparison of the three regions we demonstrated that the amount of tourism consumption by inbound tourists who visit

local areas such as Shizuoka can be significant.

Detectoin of late-night tourist destinations using location-reporting tweets

Yohei Kurata

Using location-reporting tweets such as "I'm at XX" and "XX now" posted at late night, we extracted tourist destinations

that are visited late at night, and examined the future potential of late-night tourism.

Relative Utility? What is our reference point?

Wu Lingling

This study integrates the concepts of relative utility and prospect theory to represent context dependence in travel choice behavior by incorporating asymmetric and non-linear responses. Relative utility posits that utility is only meaningful relative to certain reference point(s) and conceptually allows for the existence of multiple reference points in a systematic manner. Prospect theory suggests that people's decisions are

more sensitive to losses than to gains, with gains and losses defined relative to a reference point. One limitation of prospect theory is the lack of guidance on how to specify the reference point(s). On the other hand, while the concept of relative utility can accommodate non-linear utility structures, no prior studies have captured the non-linearity resulting from individuals' asymmetric responses to gains and

losses. Theoretically, the integrated model can express various types of context dependencies. Its effectiveness is demonstrated using stated preference data on tourists' accommodation choices collected in Japan. The model's sensitivity to different values of prospect parameters is also analyzed, and influential factors affecting choice behavior are explored.

The Influence of Psychological Distance on Hotel Selection Decisions: A Construal Level Theory Approach

Wu Lingling

"Tourists' decision-making, particularly regarding accommodation selection, is a key topic in hospitality research. With the rise of online platforms like OTAs and social media, travelers now access vast information and make real-time comparisons independently. While this increases choice, it also adds complexity to the decision-making process. Prior studies have examined how personal traits like age or nationality influence hotel choices, but fewer have explored

psychological factors. To fill this gap, this study investigates how psychological distance impacts accommodation selection, using Construal Level Theory (CLT). Psychological distance refers to how near or far an event feels, whether in time, space, social connection, or certainty. According to CLT, greater psychological distance leads to abstract, goal-focused thinking (high construal), while closeness results in concrete, detail-ori-

ented thinking (low construal). This study uses this framework to explain variations in hotel selection preferences.

A conjoint analysis examined eight key hotel attributes: price, brand, location, service quality, room quality, F&B quality, security, and facilities. Participants were assigned to either a high or low construal group using a priming method to manipulate psychological distance. A total of

Development and Analysis of Decision-Making Methods under Uncertainty in the Tourism and Hospitality Industry

Yu Ogasawara

This research focuses on revenue management strategies in the tourism and entertainment industries, where services often exhibit nested demand structures—such as bundles that include island ferries, local rentals, and amusement park services. The study aims to identify optimal bundle prices and product combinations that maximize

total revenue. Analytical results were derived for various revenue management problems, and a case study was conducted using survey data on high-speed ferry services and rental car usage in Shodoshima. To broaden the model's applicability, the optimization framework was extended to accommodate more complex bundle

structures, including three-product bundles, competing bundles, and dual pricing strategies.

Tetsuo Shimizu

Presentation

Karwand, Z., Mokhtar, S., Suzuki, K. and Shimizu, T.: Safety in Focus: A Critical Evaluation of Geometric Features' Influence on Pedestrian Safety in Roundabouts, 9th International Conference on Civil Structural and Transportation Engineering, Toronto, 2024.6.

Karwand, Z., Mokhtar, S., Suzuki, K. and Shimizu, T.: Exploring Pedestrian Noncompliance Crossing in Complex Traffic Environment Using Computer Vision: A Case Study of Kabul City Intersections, 9th International Conference on Civil Structural and Transportation Engineering, Toronto, 2024.6.

-5 other presentations were delivered by Japanese in some academic conferences.

Articles, Books • Reports

■ Peer reviewed articles

-Karwand, Z., Mokhtar, S., Hustim, M., & Shimizu, T.: EVALUATING PEDESTRIAN CROSSING ATTRIBUTES AT INTERSECTIONS IN KABUL CITY, AFGHANISTAN: A COMPUTER VISION APPROACH, PLANNING MALAYSIA, Vol. 22, No.4, pp.227-241, 2024.

■ Others

2 peer reviewed papers in academic journals, 2 non-peer reviewed papers in academic proceedings, 3 essays in commercial journals written in Japanese, and 3 technical reports were published (please refer to the Japanese version Annual Report)"

Susumu KAWAHARA

Presentation

Madoka SUGAWARA, Tomoyuki MASHIKO, Susumu KAWAHARA, "Exploring Formation Process of Event Legacies and Factors Driving Continued Legacy Programs in the ECoC (A case study of Leeuwarden-Friesland 2018)", ECoCs Evaluation and Research Workshops in Bodø, Norway, 2024.09

Book

"Yumiko CHIBA, Tomoyuki MASHIKO, Susumu KAWAHARA, "A study on the effects and problems of the support programs for commercial accumulation's reorganization established after the Great East Japan Earthquake on the continuation of livelihoods. Focus on the long-term continuation of individual businesses in the commercial complexes in Onagawa and Minamisanriku, Miyagi Prefecture" (in Japanese), Journal of the City Planning Institute of Japan, 59(3), October, 2024, p. 932-939
DOI: <https://doi.org/10.11361/journalcpj.59.932>"

Yu OKAMURA**Presentation**

Akiko Tanaka, Megumi Hamada, Sugai Junya and Yu Okamura (2024): Industrial Activities and Spatial Characteristics in the Nippori Fabric District in Tokyo in Historical Context. 17th International Congress of Asian Planning Schools Association (APSA), Bangkok, Thai, 2024.11

Yu Okamura (2024): A Comparative Analysis of Walking Trail Projects in Peri-Urban Areas across Major Asian Cities -Examining Project Schemes and Their Relationship with Urban and Green Space Planning. 17th International Congress of Asian Planning Schools Association (APSA), Bangkok, Thai, 2024.11

Yingju Zhang and Yu Okamura (2024) : Building Urban-Rural Linkages through Creativity: A Case Study of Bookstore-Led Rural Tourism in Chinese Villages, APTA 2024 (Asia Pacific Tourism Association), Macao University of Tourism, 2024 August

Articles, Books・Reports

Yingju Zhang and Yu Okamura(2024): Revitalizing traditional villages through Bookstore-led Rural Tourism: a case study of three Bookstore villages in Rural China, Journal of Asian Architecture and Building Engineering, online

Yuki Ohira**Presentation**

Fushihara, H., Ohira, Y., Shimizu, T., Analysis of spatial characteristics of cyclists lanes using bicycle probe data, The 69th Conference of Infrastructure Planning and Management, Japan Society of Civil Engineers, Sapporo, Japan, May 2024 (in Japanese).

Taniguchi, K., Ohira, Y., Harano, K., Shimizu, T., Application of social return on investment for destination development activities conducted by DMO, The 39th JITR Annual Conference, Japan Institute of Tourism Research, Osaka, Japan, December 2024 (in Japanese).

Articles, Books・Reports

Peer-reviewed publications

Taniguchi, K., Ohira, Y., Harano, K., Shimizu, T., Application of social return on investment for destination development activities conducted by DMO, The Tourism Studies, Vol.36, No.3, 2024.

Fushihara, H., Ohira, Y., Shimizu, T., Analysis of spatial characteristics of bicycle facilities using bicycle probe data, Japanese Journal of JSCE, Vol.80, No.20, 2025.

Non-peer-reviewed publications

Fushihara, H., Ohira, Y., Shimizu, T., Analysis of spatial characteristics of cyclists lanes using bicycle probe data, Proceedings of infrastructure planning, Vol.69(CD-ROM), 2024.

Takako KOHORI**Presentation**

Takako KOHORI (2024) Report on the Norikura Environmental Conservation Tax: User-Pays Systems for Nature Conservation in Chubu-Sangaku National Park: 12th International Conference on Monitoring and Management of Visitors in Recreational and Protected Areas, September 2-5

Norie Hirata

Presentation

Hirata,N.,Learning about Local Resources and Fostering Local Pride through Local Color Workshops: Practice in Onjuku Town, Isumi Country, Chiba Prefecture, The Annual Conference of the Architectural Institute of Japan, Tokyo, Japan,27-30, August 2024.

Hirata,N.,International Environmental Award Blue Flag for Sustainable Tourism Community Development, AIJ-SDGs Day 2025 of the Architectural Institute of Japan, Tokyo,15, February 2025.

Articles、Books・Reports

Hirata,N.,Learning about Local Resources and Fostering Local Pride through Local Color Workshops: Practice in Onjuku Town, Isumi Country, Abstracts of the Annual Conference of the Architectural Institute of Japan:293-296.(in Japanese)

Hirata,N.,International Environmental Award Blue Flag for Sustainable Tourism Community Development, Abstracts of the AIJ-SDGs Day 2025 of the Architectural Institute of Japan, 37-38. (in Japanese)

Kaizu,Y.,Katayama K.,Hirata N.2025.A Study on the Effects of Obtaining the Blue Flag for International Environmental Certifications - Verification by Questionnaire Survey, Shonan forum : journal of the Shonan Research Institute Bunkyo University, 29, 3-23(in Japanese)

Nguyen Van Truong

Articles、Books・Reports

Service quality for passengers, Nguyen Van Truong, Shimizu Tetsuo, Pham Duy Hoang; in "Elgar Encyclopedia of Transport and Society", Editor Corinne Mulley. Accepted.

Shinya Numata

Presentation

江口碧、Noordiana Hassan、沼田真也 半島マレーシアにおけるドリアン
の開花と降水量との関係 日本熱帯生態学会 福井 2024年6月

Suzuki, A., M. A. Aziz, M. N. Sultana, A. Rhaman, S. Numata, R. Sakurai.
Why local villagers kill carnivore in Northeast Bangladesh? Can
pro-conservation individuals stop its killing in their villages?
ATBC2024, Rwanda. July 2024.

沼田真也 熱帯雨林はツーリストにとって魅力的か? 京大・地球環境フォー
ラム 熱帯雨林の生物多様性が生み出す価値: エコツーリズムが果たす
多面的な役割 京都 2025年1月

Articles、Books・Reports

Kobayashi, S., E. Takagi, N. Hassan, M. Hashim, S. Numata. (2024)
Impacts of human activity on wild mammal detection rates and diel
activity patterns in Endau-Rompin National Park, Malaysia. *Journal of
Tropical Forest Science*. 36: 80-90.

Susanto, D. P. Nugroho, S. Numata (2024) Traditional ecological
knowledge for monitoring *Anaphalis javanica* (DC.) Sch.Bip.
(Asteraceae) in Bromo Tengger Semeru National Park, Indonesia.
Environmental Monitoring and Assessment.
<https://doi.org/10.1007/s10661-024-12869-8>

Ng, Y. H., S. Numata. (2024) Liking of and willingness to coexist with
animals among residents near nature-based destinations. *Tourism and
Hospitality*. 2: 277-287.

Eguchi A., K. Hata, S. Numata. (2024) Distributions of exotic herbaceous
species along a roadside on Chichijima, the Ogasawara Islands, and
their relationships with human disturbance. *Weed Biology and
Management*. 24: 124-131. <https://doi.org/10.1111/wbm.12295>

Eguchi A., N. Hassan, S. Numata. (2024) Dry spells trigger durian
flowering in aseasonal tropics. *International Journal of
Biometeorology*. <https://doi.org/10.1007/s00484-024-02819-x>

Suzuki, A., M. A. Aziz, Y. Honda, S. M. A. H. Palash, M. N. Sultana, S.
Numata (2025) The importance of non-economic reasons in people's
intention to kill small cats in Northeastern Bangladesh. *Human
Dimensions of Wildlife*.
<https://doi.org/10.1080/10871209.2024.2449432>

沼田真也 (2024) 都市における生物多様性の現状 都市における生物多様
性の現状 都市問題 . 9月号 : 40-48.

Eguchi A., N. Hassan, S. Numata. (in press) Effects of rainfall on durian
productivity and production variability in Peninsular Malaysia. *Journal
of Tropical Agricultural Science*.

Takaaki NIHEI

Presentation

Mr. Ahmed, one of our laboratory members, made a presentation
at an international conference about tourism in Saudi Arabia in
September 2024.

Articles、Books・Reports

The Japan Association of Economic Geographers ed. 2024.
"Dictionary of economic geography." Maruzen-shuppan. ISBN
9784621310168

Md. A. H. Bhuiyan et al. 2024. The differential impacts of the
spatiotemporal vertical and horizontal expansion of megacity
Dhaka on ecosystem services. "Current Research in Environmental
Sustainability" <http://dx.doi.org/10.1016/j.crsust.2024.100252>

T. Nihei et al. 2024. How to compress scanned map images using
open-source software "Geographical Studies" 98, 1-8.

M. Qasim et al. 2024. Latent factors of sustainable tourism
practices and green hospitality measures in Gilgit Baltistan, North
Pakistan. "Proceedings of the Pakistan Academy of Sciences A,
Physical and Computational Sciences" 61, 1-10. <http://www.researchgate.net/publication/379498642>

M. Suzuki & T. Nihei 2024. The sense of presence is positively
evaluated in online tours "Nihon-kokusai-kankou-gakkai-ronbunshuu"
<http://www.researchgate.net/publication/382800989>

W. Ullah et al. 2024. Unseen suffering. "Climate Risk Management"
<https://doi.org/10.1016/j.crm.2024.100663>

Z. Ahmed & T. Nihei 2024. Assessing the environmental impacts of
adventure tourism in the world's highest mountains. "Journal of
Advanced Research in Social Sciences and Humanities" <http://dx.doi.org/10.26500/JARSSH-09-2024-0201>

N. Ali et al. 2024. Conception and integration of sustainability and
sustainable tourism development "OEconomia" 7(2), 91-102.
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Takeshi Osawa

Peer reviewed article

- Osawa T (2024) Agricultural land around river confluences could strongly suppress floods occurrences. *Environment and Sustainability Indicators* 100533
- Sawada Y, Sato N, Osawa T, Matsumoto K, Chiu Ming-Chung, Okada R, Sakura M, Sato T (2024) An evolutionary trap for the extended phenotype of a nematomorph parasite. *PNAS nexus*
- Iijima D, Osawa T (2024) Seasonal changes in altitudinal patterns of bird species richness in a temperate low-elevation mountain. *Acta Oecologia*
- Nakatani M, Osawa T (2024) Assessment of Suitability for Photovoltaic Power Generation in Periurban Seminatural Grasslands: Toward the Coexistence of Seminatural Grasslands and Photovoltaic Power Generation. *Discover Sustainability* 5: 141.
- Fujii M, Takagi E, Osawa T (2024) Differential phase of *Platypus quercivorus* attacks in urban green space: A case study on 2 urban parks in Tokyo. *Tree, Forest and People* 16: 100554.

Book chapter

- Osawa T (2024) The essential principle for appropriate data policy of citizen science projects: Correspondence for the diverse and transmutable attributes of participants. in *Community Science in Ecology: Case Studies of Public Participation in Ecological Research in Japan* (ed. Suzuki-Ohno, Y.) (Springer).
- Osawa T (2024) Citizen science for social decision-making: Avoiding missteps and unlocking potentials. in *Community Science in Ecology: Case Studies of Public Participation in Ecological Research in Japan* (ed. Suzuki-Ohno, Y.) (Springer).

Etsuro Takagi

Articles, Books・Reports

- Takagi, E.* (2024) Host preferences of the bark beetle *Polygraphus proximus* Blandford (coleoptera: curculionidae: scolytinae) in Japan during an endemic population phase. *Coleopterists Bulletin*.
- Takagi, E.* & Aochi, M. (2024) Cutting into short logs reduces infestation by the bark beetle *Polygraphus proximus*. *Journal of Applied Entomology*, 148, 723-726.
- Fujii, M., Takagi, E. & Osawa, T.* (2024) Differential phase of *Platypus quercivorus* attacks in urban green space: A case study on 2 urban parks in Tokyo. *Trees, Forests and People*, 16, 100554.

Yuki Sakamoto

Articles, Books・Reports

- 論文(査読付)
- SAKAMOTO, Y. 2024. Acceptance of a World Music Event in Fukuno, Japan. *Geographical review of Japan series B*, 97, pp.42-58.
 - SAKAMOTO, Y. and YAMASHITA, A. 2024. Children's Use of Waterfront Areas and Perspectives of guardians in Mishima City, Shizuoka Prefecture, Japan. *The New geography*, 72(3), pp. 18-30.
 - SUZUKI, S. and SAKAMOTO, Y. 2024. Process of Forming of an Emerging Wine-Producing Area in Takayama Village, Nagano Prefecture. *Geographical Space*, 17(2), pp.119-129.
 - YAMASHITA, A., TANIGUCHI, T., WATARAI, Y., SAKAMOTO, Y. and NAKAMURA, M. 2025: Comprehensive Evaluation of Urban Waterside Spaces along the Genbe River in Mishima City, Shizuoka Prefecture. *E-journal GEO*. (in press).
- 論文(査読無)
- SAKAMOTO, Y., SEKI, K., NARITA, N., SAITO, M. and GA, H. 2025. Transformation of Nyakuichioji Shrine's Festivals in Omachi City, Nagano Prefecture. *Annals of Human and Regional Geography*, 47, 17-28.

Kenro AIHARA

Presentation

The Impact of Road and Urban Infrastructure Variances on Electric Kick Scooter Travel, Ami Tsuruoka, Hiroyuki Kadokura, Tetsuo Shimizu, Kenro Aihara, HCII 2024 (2024/6).

Toward Facilitating Going Out: on the Relationship Between Residents' Outing Behavior and Cognitive Distance in Suburbs, So Makita, Kenro Aihara, HCII 2024 (2024/6).

Articles, Books • Reports

The Impact of Road and Urban Infrastructure Variances on Electric Kick Scooter Travel, Ami Tsuruoka, Hiroyuki Kadokura, Tetsuo Shimizu, Kenro Aihara, Distributed, Ambient and Pervasive Interactions, pp.324-338 (2024).

Toward Facilitating Going Out: on the Relationship Between Residents' Outing Behavior and Cognitive Distance in Suburbs, So Makita, Kenro Aihara, Distributed, Ambient and Pervasive Interactions, pp.272-286 (2024).

Katsuya Hihara

Presentation

• Hihara, K., "Analysis of Airlines' Digital Platformer Business Model under the Multiple-sided Market Approach" The World Conference of Air Transport Research Society(ATRS) (2024年 6月 Lisbon, Portugal),

• Nemoto, K., Suzuki, S., Ogasawara, Y., and Hihara, K., "ANAYSIS OF SPATIO-TEMPORAL STRUCTURE TRANSITION OF LODGING PRICES LISTED BY ONLINE TRAVEL AGENT (OTA) THROUGH COVID-19 PANDEMIC PERIOD IN TOKYO AREAS," The Annual Conference of Asia Pacific Tourism Association (APTA) (2024年 7月 Macau, China),

• Davaajargal, D. and Hihara, K., "ANALYSIS OF INTENTION TO USE SMART CONTACTLESS HOTEL AND THE IMPACT OF THE COVID-19 PANDEMIC," The World Conference of Asia Pacific Tourism Association (APTA) (2024年 7月 Macau, China),

• Hihara, K., Nemoto, K., Suzuki, S., and Ogasawara, Y., "Time Series Analysis of Structures of Lodging Prices Listed by Online-Travel Agent (OTA) in Tokyo Metropolitan Areas - By Taking into Account the Transitions through COVID-19 Pandemic Period -", Annual Conference of Japan Institute of Tourism Research Annual Conference 2024, (Osaka Industrial University (2024/12)

Books

• Hihara, K. "Towards Sustainability with Better Incentive Design: Updates about the Recent Development of Climate Change Mitigation in the Aviation Sector". In: Chen et al. (ed) Handbook of Climate Change Mitigation and Adaptation 4th ed., Springer, Switzerland, Editors Wei-Yin Chen, Maximilian Lackner. (forthcoming).

Reports

• Hihara, K., "Analysis of Airlines' Novel Business Model - Digital Platformer under the Multiple-sided Market," Proceedings (on-line) of the World Conference of Air Transport Research Society(ATRS) (2024年 7月 Lisbon, Portugal),

• Nemoto, K., Suzuki, S., Ogasawara, Y., and Hihara, K., "ANAYSIS OF SPATIO-TEMPORAL STRUCTURE TRANSITION OF LODGING PRICES LISTED BY ONLINE TRAVEL AGENT (OTA) THROUGH COVID-19 PANDEMIC PERIOD IN TOKYO AREAS," Proceedings of the Annual Conference of Asia Pacific Tourism Association (APTA) (2024年 7月 Macau, China), 556-559.

• Hihara, K. and Davaajargal, D., "ANALYSIS OF INTENTION TO USE SMART CONTACTLESS HOTEL AND THE IMPACT OF THE COVID-19 PANDEMIC," Proceedings of the Annual Conference of Asia Pacific Tourism Association (APTA) (2024年 7月 Macau, China), 716-719.

• Hihara, K., Nemoto, K., Suzuki, S., and Ogasawara, Y., "Time Series Analysis of Structures of Lodging Prices Listed by Online-Travel Agent (OTA) in Tokyo Metropolitan Areas - By Taking into Account the Transitions through COVID-19 Pandemic Period -", The Proceedings of Japan Institute of Tourism Research Annual Conference 2024, (Osaka Industrial University (2024/12) 17-22.

Yohei Kurata

Presentation

Yohei Kurata and Kennichiro Hori, Listing and Trend Understanding of Museums Open on Mondays in Japan Using Location Reporting Tweets, the 27th Research Conference of the Society of Tourism Informatics, Kokura, March 2025.

Suzuna Fujiki and Yohei Kurata, Current Situation and Issues in the Selection of Lovers' Sanctuaries, the 27th Research Conference of the Society of Tourism Informatics, Kokura, March 2025.

Junpei Hattori and Yohei Kurata, Possibility of Blue Tourism by on-Marine Fishing Pond in Higashi Izu Area, the 27th Research Presentation of the Society of Tourism Informatics, Kokura, March 2025.

Hu Liu Zhen, Tatsunori Hara, Jun Ota, and Yohei Kurata, A Study of Tourism Density and Intensity considering local residents and workers using Location Big Data, the 27th Research Conference of the Society of Tourism Informatics, Kokura, March 2025.

Kurata, Yohei, Late-Night Sightseeing Destinations Explored Again from Late-Night Location Report Tweets, the 39th Conference of the Tourism Research Society of Japan, Osaka, December 2024.

Kennichiro Hori, Yu Ogasawara, Yohei Kurata, and Tetsuo Shimizu, Estimating Website Visitors' Interests by Mining on GO TOKYO-Tokyo's Official Tourism Website, Tohoku OR Seminar 2024; Young Researchers Exchange Meeting, Akita, October 2024.

Yohei Kurata, Tourism Consumption Behavior of Inbound Tourists to Japan Accompanied by Volunteer Guides in Shimizu-Shizuoka Area, the 26th Research Conference of the Society of Tourism Informatics, Atami, November 2024.

Yohei Kurata, Exploring the Possibility of X-Now-Tweets for behavior-geography-research, the 33rd Annual Conference of the Association of Geographical Information and Systems, Uji, October 2024.

Yohei Kurata, Can we explore late-night tourism possibilities from location-reporting-tweets?, the 20th Annual Conference of Tourism Informatics Society of Japan, Hiroshima, July 2024.

Naomasa Kanaya and Yohei Kurata, resilience of small-scale accommodation facilities from their persistence after earthquake, the 20th Annual Conference of Tourism Informatics Society of Japan, Hiroshima, July 2024.

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Invited Article(unrefereed): Kurata, Yohei (2024) Prospects for Research Utilizing Geospatial Data: From a Viewpoint of Traveler Support, Journal of Artificial Intelligence 39(4), pp.471-475.

Research Report (unrefereed): Kurata, Yohei (2024) "Can we find local administrative issues from a huge amount of lgeo-tagged tweets? in Hitachi Foundation Kurata Grant, Research Report Vol.53, pp.48-51.

Wu Lingling

Presentation

Nagi Medai, and Lingling Wu. (2025). Exploring the potential of virtual tourism in promoting cultural tourism. International Conference on Destinations, Events and Sports, Sapporo JAPAN.

Misaki Higashihara, and Lingling Wu. (2025). More is not better: analysis of tourism experience using peak-end rule. International Conference on Destinations, Events and Sports, Sapporo JAPAN.

Hodaka Ito, and Lingling Wu. (2025). The Influence of Psychological Distance on Hotel Selection Decisions: A Construal Level Theory Approach. Global Hospitality and Tourism Research Summit 2025, Fukuoka JAPAN.

Wu Lingling

Presentation

Kengo Nemoto, Shohei Suzuki, Yu Ogasawara, Katsuya Hihara, Analysis of Spatio-temporal Structure Transition of Lodging Prices Listed by Online Travel Agents (OTA) through the COVID-19 Pandemic Period in the Tokyo Metropolitan Area, The 29th Asia Pacific Tourism Association (APTA) Annual Conference, Macau, July 2024.

Yuki Soma, Yu Ogasawara, Relationship between Students' Conditions in the First Semester and the Number of Absence Days throughout the Year The 83rd Annual Meeting of the Japanese Society of Public Health, Sapporo, October 2024.

Tetsuya Tamaki, Mamoru Yoshida, Yoshio Kajitani, Hiromichi Yamaguchi, Shohei Suzuki, Yu Ogasawara, Impact of the Noto Peninsula Earthquake on the Supply of Lodging Facilities, The 70th Conference on Infrastructure Planning and Management, Okayama University, November 2024.

Kenichiro Hori, Yu Ogasawara, Yohei Kurata, Tetsuo Shimizu, Estimating Visitors' Interests through Web Usage Mining on Tokyo's Official Tourism Website "GO TOKYO", The 39th Annual Conference of the Japan Society for Tourism Studies, Osaka Seikei University, December 2024.

Katsuya Hihara, Kengo Nemoto, Shohei Suzuki, Yu Ogasawara, Time Series Analysis of Lodging Price Data in Tokyo Listed on Online Travel Agents (OTA), The 39th Annual Conference of the Japan Institute of Tourism Research, Osaka Seikei University, December 2024.

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Yu Ogasawara, Kimitoshi Sato (2025), Pricing and Allocation Problem of Bundle Products With Nested Demand Structure, Asia-Pacific Journal of Operational Research, online, <https://doi.org/10.1142/S021759592550006X>.

Yu Ogasawara, Tetsuya Tamaki, Tatsuya Suzuki, Kimitoshi Sato (2024), Rental car reservation patterns in island tourism: Case study in Shodoshima, Japan, Journal of Vacation Marketing, online, DOI: 10.1177/13567667241291243.

Yu Ogasawara, Miyuki Asanuma, Masashi Kasuya, Yuki Soma (2024), The relationship between price and nutritional balance for young adults in the menus of Japanese restaurants, PeerJ, e18091.

04 Awards, etc



4-2. Environmental Management Unit

name	title
Etsuro Takagi	Leading Scientist, Tokyo Metropolitan University

4-3. Behavioral and Management Sciences Unit

name	title
Yohei Kurata	Student Best Presentation Award (as a co-author), Tohoku OR Seminar2024, Young Researchers Exchange Meeting, October 2024





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