

Program of SPSD 2023

International Conference 2023 on Spatial Planning and Sustainable Development, Kanazawa University Spatial planning for resilience and health

Date

August 25th-August 28th, 2023

Venue

Graduate School of Environment Design

Kanazawa University, Kanazawa, Japan

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Welcome message

Spatial planning for resilience and health

"Urban planning, risk governance and resilience have become increasingly important pathways to promote and protect public health at the local level. Climate change, inadequately planned urbanization and environmental degradation have left many cities vulnerable to disasters. The COVID-19 pandemic has further highlighted the links between health and urban environments, and the relevance of sustainable and resilient planning. Various global frameworks have been established to address sustainable development, urban environments and resilience, and awareness of the local benefits associated with implementation of these global agendas is increasing. The Protecting environments and health by building urban resilience project aims to support local authorities and decisionmakers to reflect on the environment and health dimensions of local preparedness and resilience, and to promote the application of urban planning approaches to establish safe, healthy and sustainable cities. "

Cited from "WHO, 2022, Urban planning for resilience and health: key messages – summary report on protecting environments and health by building urban resilience"

SPSD Chairman Zhenjiang SHEN, Kanazawa University On behalf of International Community of Spatial Planning and Sustainable Development

Keynote speeches



How to Understand Resilience and Sustainability in Spatial Planning in The Era of Climate Change, Natural Disasters and Pandemics

Dr. Yoshitsugu HAYASHI

Distinguished Professor of Chubu University & Emeritus Professor of Nagoya University, Japan Executive Committee Member of The Club of Rome Ex-President of World Conference on Transport Research Society President of Central Japan Chapter, Engineering Academy of Japan Member of The Engineering Academic of Japan

Multi-source big data based research on Urban environment and human health in Wuhan magecity region for sustainable development

Dr. Qingming ZHAN

Distinguished Professor Vice dean, School of Urban Design, Director, Research Centre for Digital City, Wuhan University



Urban Parks as Outdoor Gym for Citizens Health

Dr. Seung-Hong An Professor School of Plant Science & Landscape Architecture Hankyong National University

Time Geography of Health Behavior and Empirical Evidence in Beijing



Dr.Yanwei CHAI

Professor Department of Urban and Economic Geography College of Urban and Environmental Sciences Peking University



The Analysis and Concept of Urban Sustainability Performance in Representing the Vulnerability of Regional Development. Case Study Sukolilo District, East Surabaya, Indonesia

Dr. Ing. Ir. Bambang Soemardiono Head of Urban Design Laboratory Associate Professor at Department of Architecture ITS



Japanese Experiences and Implications in Healthcare and Urban Planning for Ageing in Place

Dr. Tatsuya NISHINO Head Professor Division of Geoscience and Civil Engineering Graduate School of Natural Science and Technology Kanazawa University



Spatial Planning and Sustainable Development

Dr. Feng ZHEN SPSD Chairman 2021-2023 Head Professor, Nanjing University

Conference schedule

August 25th

14:00 ~ 19:00 Registration Location: Near Kanazawa Station Detailed information can be found on page 8

August 26th

Time	Program	Room			
$08:30 \sim 09:00$	Registration	Entrance of			
		Lecture Hall			
09:00~09:10	Opening remarks				
09.00*~09.10	Prof. Zhenjiang SHEN Kanazawa University				
	Keynote Speeches (40 minutes)				
	How to Understand Resilience and Sustainability in Spatial Planning in The				
$09:10\sim09:50$	Era of Climate Change, Natural Disasters and Pandemics				
	Prof. Yoshitsugu HAYASHI Chubu University				
	Keynote Speeches (25 minutes)				
	Multi-source big data based research on Urban environment and human				
$09:50\sim10:15$	09:50 \sim 10:15 health in Wuhan magecity region for sustainable development				
	Prof. Qingming ZHAN Wuhan University				
10 • 15 • 10 • 40	Urban Parks as Outdoor Gym for Citizens Health	Lecture Hall			
$10:15\sim10:40$	Prof. Seung-Hong AN Hankyong National University				
$10:40 \sim 11:05$	Break				
11:05~11:30	Time Geography of Health Behavior and Empirical Evidence in Beijing				
11.05 11.50	Prof. Yanwei CHAI Peking University				
	The Analysis and Concept of Urban Sustainability Performance in				
11:30~11:55	Representing the Vulnerability of Regional Development. Case Study				
11.30***11.33	Sukolilo District, East Surabaya, Indonesia				
	Prof. Ing. Ir. Bambang Soemardiono Architecture ITS				
	Japanese Experiences and Implications in Healthcare and Urban Planning				
$11:55 \sim 12:20$	for Ageing in Place				
	Prof. Tatsuya NISHINO Kanazawa University				
12:20~14:00	LUNCH				
$14:00 \sim 16:20$	Session 1	Lecture Hall			
$14:00 \sim 16:20$	Session 2	Room 201			
$14:00 \sim 16:20$	Session 3	Room 203			
14:00~16:20	Session 4	Room 205			
18:30~21:00	Banquet				

August 27th

Time		Program	Venue
$09:00 \sim 15:40$	Session 5-A		Lecture Hall
$09:00 \sim 15:40$	Session 5-B		Room 201
$09:00 \sim 15:40$	Session 6-A		Room 203
$09:00 \sim 15:40$	Session 7-A		Room 205
$09:00 \sim 15:40$	Session 8-A		Room 207
$16:00 \sim 16:30$	Closing remarks		
$10 \cdot 00 \sim 10 \cdot 30$	Prof. Seung-Hong AN	Hankyong National University	Lecture Hall

August 28th

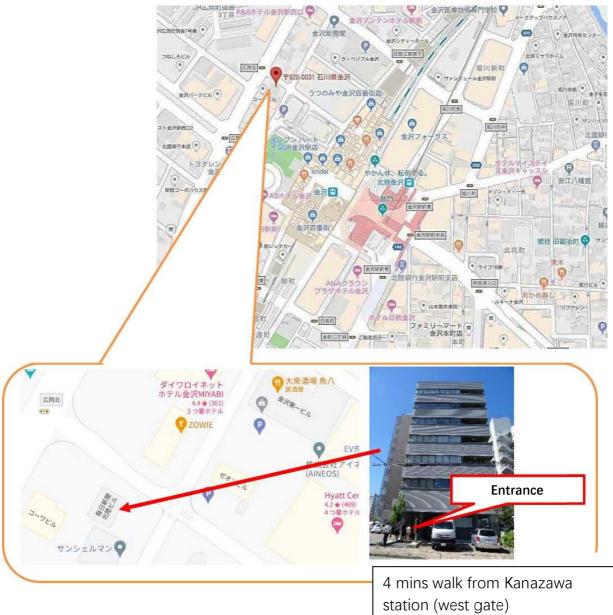
Excursion. Shiragawa-go

Registration venue

Date: 25th August, 14:00-19:00

Address: 〒920-0031 Ishikawa, Kanazawa, Hirooka, 1-chōme-2-20 (石川県金沢市広岡 1丁目2番20号 Mビル)

Notice: We have set up a registration place in a building 300 meters away from Kanazawa Station (west gate) . All participants of the conference are requested to register at the building(1F) between 14:00-19:00 on August 25th and receive conference materials.



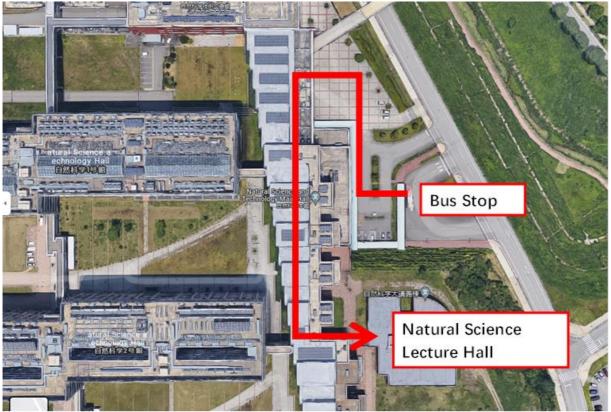
Venue information

Address

Natural Science Lecture Hall, Kakumamachi, Kanazawa, Ishikawa 920-1164

Bus

Kanazawa station-> Kanazawa daigaku shizenkenmae Bus Stop (金沢大学自然研前バス停) (via conference shuttle bus/53/92/93/96 line, no transfer)-> walk to lecture hall (5 mins) Korinbo-> Kanazawa daigaku shizenkenmae Bus Stop (金沢大学自然研前バス停) (via conference shuttle bus/53/93/94/96 line, no transfer)-> walk to lecture hall (5 mins)



Тахі

Tell the driver "Kanazawa daigaku shizenkenmae Basutei ni ikitai desu", and he/she will drive you to the above bus stop, it would often take more than 2000 JPY.

Notice:

- [1] If you live in other place in Kanazawa, your can check on google map and if there exist bus line to < Kanazawa daigaku shizenkenmae Bus Stop (金沢大学自然研前バス停)>, you can also take that bus, but place notice that in Japan the bus on Saturday and Sunday may decrease and the schedule are different from weekdays. Therefore, make sure to choose the date corresponds to the conference days.
- [2] For more detailed information, please refer to the <<u>traffic(center Kanazawa-venue</u>)>.

Bus timetable for 26th and 27th before the conference

Public transportation to and from Kanazawa University is available by conference shuttle bus (only 26th) or public bus.

Conference Shuttle Bus

There will be an all-day conference shuttle bus service on 26th between Kanazawa Station and Kanazawa University passing through Korinbo Henn na Hotel. The cost of one ride is **500 yen**.

Directions	To Kanazawa University (金沢駅-香林坊 変なホテル-金沢大学) (Kanazawa Station - Korinbo Henn na Hotel - Kanazawa University)	To Kanazawa Station (金沢大学-香林坊 変なホテル-金沢駅) (Kanazawa University - Korinbo Henn na Hotel - Kanazawa Station)
	08:00 - 08:15 - 08:45	08:45 - 09:10 - 09:30
	09:30 - 09:50 - 10:15	10:15 - 10:40 - 11:00
Time	13:00 - 13:15 - 13:55	13:55 – 14:20 - 14:40
	14:40 - 15:00 - 15:25	15:25 – 15:50 - 16:10
	16:10 - 16:30 - 16:55	16:55 – 17:30 - 17:50

Timetable of Conference Shuttle Bus

Conference shuttle bus pick-up site on Korinbo Henn na Hotel



Public Bus

The cost of one ride is **370 yen**. For more detailed, please check the Hokuriku Railway https://arj.hokutetsu.co.jp/timetable/pathway.php or google map.

Search on Hokuriku Railway Timetable

❸北陵鉄道株式会社		
▲ 発着指定検索 ● 停留所時刻検索	1 路線別時刻検索	🗾 定期運賃検索
発着指定検索 - 時刻·運賃検索		
Fill in the departure station here	令和5年07月01日 改正(主な概要は Fill in the arrival station here	、お知らせ情報欄に記載)
出発 <u>停留所名</u> ランドマーク名 「香林坊」 「6 0 音から選択」地図から選択	 登着 登録 な沢大学自然研前 50音から選択 	候補 選択
25th 26th 27th 0平日 ① 土曜日 ○日・祝日 使調 ○出発 ● 到着 ○始発便 ●最終便 時刻 09~時 10~分 arrival time	Q 検 索 맂 バス接近	情報

* Korinbo[1], Korinbo[4] and Korinbo [7] are different stops, please check carefully. For more detailed information please refer to page 41-42.

Line	94	96	93	94	96
Kanazawa Station 金沢駅	07:28	-	07:53	08:33	-
Korinbo[4] (in front of the atelier) 香林坊[4](アトリオ前)	07:36	-	08:01	08:41	-
Korinbo[1] (In front of Fourth High School Memorial Hall) 香林坊[1](四高記念館前)	07:36	07:43	08:01	08:41	08:43
Kanazawa daigaku shizenkenmae 金沢大学自然研前	07:58	08:05	08:20	09:03	09:05

26th Go to Kanazawa University

26th Go to Korinbo/ Kanazawa Station

Line	93	53	93	94	93
Kanazawa daigaku shizenkenmae 金沢大学自然研前	16:16	16:24	17:04	17:14	17:49
Korinbo[4] (in front of the atelier) 香林坊[4](アトリオ前)	-	16:45	-	-	-
Korinbo [7] (in front of the Japan Bank) 香林坊[7](日銀前)	16:37	-	17:25	17:36	18:10
Kanazawa Station 金沢駅	16:53	-	17:41	17:51	18:26

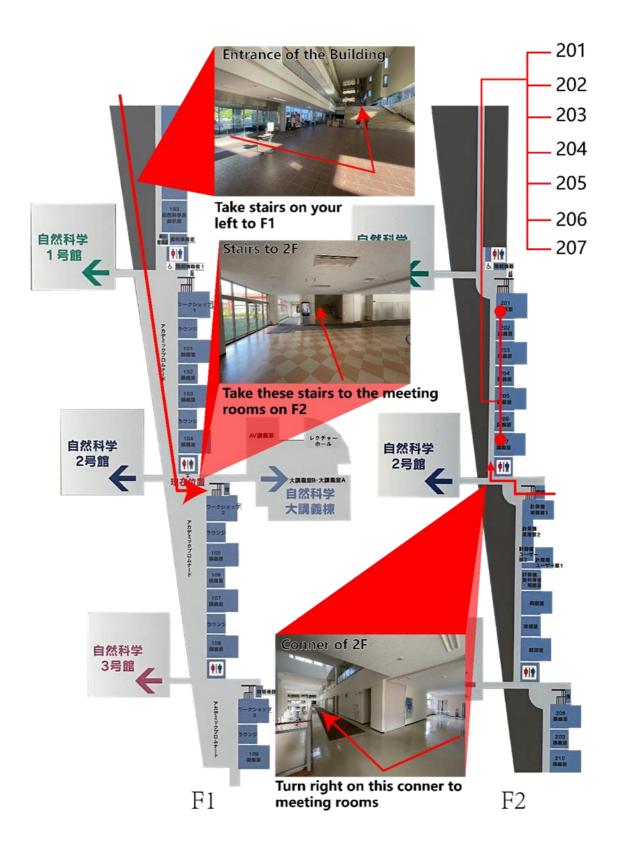
27th Go to Kanazawa University

Line	96	93	94	96	93
Kanazawa Station 金沢駅	-	07:53	08:33	-	09:13
Korinbo[4] (in front of the atelier) 香林坊[4](アトリオ前)	-	08:01	08:41	-	09:22
Korinbo[1] (In front of Fourth High School Memorial Hall) 香林坊[1](四高記念館前)	07:43	08:01	08:41	08:43	09:22
Kanazawa daigaku shizenkenmae 金沢大学自然研前	08:05	08:20	09:03	09:05	09:41

27th Go to Korinbo/ Kanazawa Station

Line	53	93	53	93	53
Kanazawa daigaku shizenkenmae 金沢大学自然研前	16:59	17:04	17:39	17:49	18:29
Korinbo[4] (in front of the atelier) 香林坊[4](アトリオ前)	17:20	-	18:00	-	18:49
Korinbo [7] (in front of the Japan Bank) 香林坊[7](日銀前)	-	17:25	-	18:10	-
Kanazawa Station 金沢駅	-	17:41	-	18:26	-

Conference Room Guidance



F2 Meeting Room

Session program

We have 8 main sessions as follows:

- [1] Health effects of multidimensional spatiotemporal environmental exposure
- [2] Natural disaster management amid Covid-19 pandemic
- [3] Intra-urban mobility patterns and contexts
- [4] Promoting Resilient Governance in Dealing with the Covid19 Pandemic
- [5] Towards Sustainable Spatial Planning for Human Health and Emotional Wellbeing
- [6] Activity space and spatial behaviour
- [7] Accessibility to services and living needs
- [8] Spatial and digital adaption

Session	Session Theme	Date	Time	Venue
Session 1	Health effects of multidimensional spatiotemporal environmental exposure;	26 th	14:00~16:20	Lecture Hall
Session 2	Natural disaster management amid Covid-19 pandemic;	26 th	14:00~16:20	Room 201
Session 3	Intra-urban mobility patterns and contexts;	26 th	14:00~16:20	Room 203
Session 4	Promoting Resilient Governance in Dealing with the Covid19 Pandemic;	26 th	14:00~16:20	Room 205
Session 5-A	Towards Sustainable Spatial Planning for Human Health and Emotional Wellbeing;	27 th	09:00~15:40	Lecture Hall
Session 5-B	Towards Sustainable Spatial Planning for Human Health and Emotional Wellbeing;	27 th	09:00~15:40	Room 201
Session 6	Activity space and spatial behavior;	27 th	09:00~15:40	Room 203
Session 7	Accessibility to services and living needs;	27 th	09:00~15:40	Room 205
Session 8	Spatial and digital adaption;	27 th	09:00~15:40	Room 207

August 26 TH

Session 1

Room : Lecture Hall

Session Topic : Health effects of multidimensional spatiotemporal environmental exposure

Moderator: Long Ying, Ryohei Yamashita

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
14:00-14:20	Constructing high-spatiotemporal- resolution maps of multidimensional environment indicators based on stationary-mobile sensing	Qi Hao; Qiyuan Hong; *Long Ying;	P000223	Qi Hao	School of Architecture, Tsinghua University
14:20-14:40	The Impact of Urban Form and the Urban Heat Island Effect on The Occurence of Toddler Upper Respiratory Infection Case of Bandung City, West Java Province, Indonesia	lra Irawati; *Samsura DAA; Erwin van der Krabben;	P000227	Ira Irawati	Geography, Planning, and Environment Department, Radboud University, The Netherlands
14:40-15:00	A Study on the Effect of Healing Garden Activity on Improve Mental Well-Being in Patients with Mild Mental Illness	Zhirui Huang; Fuchen Zhang; *Airan Lee;	P000157	HUANG ZHIRUI	Cheongju University
15:00-15:20		Break			
15:20-15:40	Impacts of Excessive Japanese Black Bear Appearances on Residents' Daily Lives: Health and Social Effects	*Ryohei Yamashita; Tomoya Kishioka;	P000099	Ryohei Yamashita	lshikawa prefectural university
15:40-16:00	Research on Health Risks and Improvement Measures of Construction Site Environment under the Background of Aging Chinese Construction Workers	Xiaomeng Wang; *Yu Wang; JinHao Su; Liu Liu; Yang Jin; Chen He; Yiran Wang; Zhexue Ma; Chao Chen;	P000152	Xiaomeng Wang	China Architectural Design and Research Group
16:00-16:20	Neighbourhood walkability associated with cardiometabolic risk factors among Japanese older seniors: differences across physical activity status and fracture history	*Qiaohui Zhou; Riken Homma;	P000191	Qiaohui Zhou	Kumamoto University

Session 2

Room: 201

Session Topic : Natural disaster management amid Covid-19 pandemic

Moderator: Jen te Pai, Qiuyi Zhang

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
14:00-14:20	Analysis on the Trend Change of the Use Characteristics and Distribution Patterns of Public Bicycles in Taipei City	Kai-Ju Chung; *Jen-Te Pai; Yu Zheng; Shin-En Pai;	P000289	Shin-En Pai	Chengchi University
14:20-14:40	Evaluation of accessibility-based service effectiveness (ABSEV) for public transportation-The Case of Buses in Taipei City	Hsiu-Chen Liang; *Jen-Te Pai; Shin-En Pai;	P000290	Jen te Pai	Chengchi University
14:40-15:00	City Networks' Role in Urban Climate Governance Capacity Development: Paths, Factions and Evaluations	*Xiaolong Zou; Minjing Tang;	P000154	Minjing Tang	Jilin University
15:00-15:20		Break			
15:20-15:40	Building a Multi-level Strategy for Promoting Oral Health in Chinese American Communities	*Qiuyi Zhang; Sara Metcalf; Peifeng Yang; Boyuan Huang; Jiaxin Cheng;	P000293	Qiuyi Zhang	FuJian University of Technology
15:40-16:00	Exploring the factors influencing the spread of COVID-19 within residential communities using a big data approach	*Yang Li; *Sun Xiaoming; Huiyan Chen; Hong Zhang; *Yinong Li;	P000136	Yang Li	Tsinghua Tongheng Urban Planning and Design Institute
16:00-16:20	nalysis of the effects of population density and community spatial structure on the spread of Covid-19 through an agent-based model- especially for high-density communities	Xiaoyu Liu; *Haida Tang;	P000044	Xiaoyu Liu	School of Architecture & Urban Planning, Shenzhen University

Session 3

Room: 203

Session Topic: Intra-urban mobility patterns and contexts

Moderator: Qing Ma; Yonghoon Son

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation		
14:00-14:20	Analyzing the Impact of Campus Lockdown on Campus Spatial Resilience during the COVID-19 Pandemic in China	*Naisi Hua; *Yu Zhang; Wuqi Qin;	P000056	Naisi Hua	Harbin Institute of Technology		
14:20-14:40	Ineffective built environment interventions: how to reduce driving in American suburbs?	Tao Tao; *Xinyu Cao;	P000006	Xinyu Cao	University of Minnesota		
14:40-15:00	Reaching a Dynamic Balance by Design with Nature in Delta of Rhine and Maas	*Qing Ma;	P000004	MA QING	Sichuan Academy of Land and Space Planning		
15:00-15:20	Break						
15:20-15:40	The Resilient Preservation of Spatial Planning: The Preservation and Sustainable Development of Huanan New Village	*Nanwei Wu; Wan-Tzu Chien;	P000285	Nanwei Wu	Taipei University of Technology		
15:40-16:00	A Study on the Settlement and Migration phenomenon of Korea Chinese : Focused on Daelim-dong(Daelim 2-dong) in Yeongdeungpo-gu	*Soo Dong Noh;	P000133	Soo Dong Noh	Seoul national university		
16:00-16:20	Exploring the Regenerative Potential of Rural Areas: A Typology Based on New Ruralism Principles in Urban and County Units	*Yonghoon Son; Dongjin Kang;	P000188	Yonghoon Son	Graduate School of Environmental Studies, Seoul National University		

Session 4

Room: 205

Session Topic : Promoting Resilient Governance in Dealing with the Covid19 Pandemic

Moderator: Yohan Yohan, Zhong Zheng

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
14:00-14:20	Problem Analysis, Reform Trends, and Planning Methods of the Epidemic Emergency Response System – Perspective on the Normalized Epidemic Prevention	Tao Chen; *Chen-yang Liu;	P000115	Tao Chen	Central South Architectural Design Institute Co., Ltd
14:20-14:40	Optimization of Land Use Structure and Carbon Emission Control in Tokyo City under Territorial Spatial Planning	*Zhenjiang Shen, Xiao Teng and Xixi Wei	P000304	Xixi Wei	School of Environmental Design, Kanazawa University
14:40-15:00	IMPACT OF ONE PRICE FUEL POLICY ON PRICE, CONSUMPTION, SAVING, INVESTMENT, POVERTY AND SEA TRANSPORTATION COST IN TOGEAN ISLAND TOJO UNA-UNA DISTRICT CENTRAL SULAWESI PROVINCE INDONESIA	*Mohamad Ahlis Djirimu; Yohan Yohan; Ichsan Muhammad; Tombolotutu Andi Darmawati; Nopriyanto Awal; Haprin Nuryana; Hatimah Husnul;	P000267	Yohan Yohan	Tadulako University
15:00-15:20		Break			
15:20-15:40	Predict temporal variation of daily travels based on a time-frequency transform method	*Zhong Zheng;	P000008	Zhong Zheng	Beijing Normal University
15:40-16:00	Research on optimization of function and people flow organization of large space buildings based on the needs of COVID-19 nucleic acid test	*Teng Fei; Yuqing Yang; Wente Pan;	P000040	Yuqing Yang	Harbin Institute of Technology
16:00-16:20	Impact of Urban Development on the Vegetation Dynamic in Tama River Basin	*Ayu Fatmawati; *Ruth Mevianna Aurora; Thong Ta Duy; Katsunori Furuya;	P000007	Ayu Fatmawati	Chiba University

August 27 TH

Session 5-A

Room : Lecture Hall

Session Topic: Towards Sustainable Spatial Planning for Human Health and Emotional Wellbeing Moderator: Puteri Fitriaty, Zhu Qian, Widya Suryadini

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
09:00-09:20	Natural Ventilation Strategies for Energy Efficient and Healthy Domitory Design: Case study Tadulako University student dormitory	*Puteri Fitriaty;	P000247	Puteri Fitriaty	Architecture Department, Engineering Tadulako University
09:20-09:40	Comparative analysis of the surface urban heat island (SUHI) effect based on the Local Climate Zone (LCZ) Classification scheme for two Japanese cities, Hiroshima, and Sapporo	*Neshat Rahmani;	P000039	Neshat Rahmani	Hiroshima University
09:40-10:00	Comparative evaluation of perceived naturalness based on the Hemeroby index in the Seoul metropolitan area in Korea	Doeun Kim; *Yonghoon Son;	P000092	Doeun Kim	Seoul National Univercity
10:00-10:20	STUDY ON THE FACTORS AFFECTING THE RESTORATIVENESS OF PEDESTRIAN STREETS IN WINTER CITIES	Yibo LIU; *Zichao Meng; ZHANG Yilin; YANG Wanting;	P000294	Zichao Meng	School of Architecture, Harbin Institute of Technology
10:20-10:40	Vulnerability analysis and optimization of underground space in subway station area based on Anylogic——Take Xi'an Road Station of Dalian Metro as an example	Qingjun Wang; *Liang Wu;	P000271	Qingjun Wang	Dalian University of Technology
10:40-10:50		Break			
10:50-11:10	Urban Regeneration Revisited: Micro-scale Residential Neighborhood Rehabilitation in Hangzhou, China	*Zhu Qian;	P000054	Zhu Qian	University of Waterloo
11:10-11:30	Exploration on the Restorative Environment of Winter Parks in Cold Regions for the Elderly under Audio- visual Interaction	Tianjiao Yan; *Hong Leng;	P000053	Tianjiao Yan	Harbin Institute of Technology
11:30-11:50	Further Optimization of Renovation Methods for Old Urban Residential Areas Based on Resilience Concept	Chang-ming Liu; *Zhong Zheng;	P000117	Zhong Zheng	Central South Architectural Design Institute Co., Ltd

11:50-12:10	Spatial Development of Ethnic Corridor Based on Watershed Resilience: A Case Study of the Enshi Prefecture Integrated Watershed Management and Coordinated Development Plan	*Ting-ting Huang; Wen Wan;	P000116	Ting- ting Huang	Central South Architectural Design Institute Co., Ltd
12:10-14:00		Lunch time			
14:00-14:20	Supply demand analysis of linear green space to enhance ecosystem cultural services ——Take the green space along the central urban section of Beijing of the Beijing Qin Railway as an example	*Xiaoying meng; Yue You;	P000303	You Yue	Beijing Jiaotong University
14:20-14:40	Does Digital Divide Equal Urban Spatial Inequity?	*Widya Suryadini; Nada Zachrani Putri;	P000022	Widya Suryadin i	Institut Teknologi Nasional (Itenas) Bandung
14:40-15:00	Analysis of Risk Formation and Risk Governance in Urban Regeneration A Case Study of Enning Road in Guangzhou,China	HONGXIAN LIU; *YAN TANG;	P000167	HONGXI AN LIU	School of Architecture, Tsinghua University
15:00-15:20	Monitoring and Warning Model for the Conservation of Historic Towns in the Southwest Mountainous Region Based on Value Attenuation in the Context of Rural Shrinkage	*Yi Li; Yan Dai;	P000165	Yi Li	Faculty of Architecture and Urban Planning, Chongqing University
15:20-15:40	Does Sponge City Development Enhance Public Health level? Empirical Evidence from Pilot Projects in China	Yue Li; *Chongyang Yu; Li Dongquan;	P000158	YUE LI	Renmin University of China
15:40-16:00	Awareness of the natural Beauty. Experiencing the internal landscape of the Mountain	*Sandra Acosta;	P000046	Sandra Acosta	PhD candidate Sustainability and urban regeneration (UPM)

Session 5-B

Room: 201

Session Topic: Towards Sustainable Spatial Planning for Human Health and Emotional Wellbeing

Moderator: Chen-Yi Sun, Majd Al-Homoud; Zhang QU

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation			
09:00-09:20	Empirical Analysis of the Green Building Premium and Water-Saving Benefits in Taiwan: Evidence from Big Data and Multiple Regression Analysis	*Chen-Yi Sun;	P000221	Chen-Yi Sun	Chengchi University			
09:20-09:40	The Potential Applications of Smart Meters in Taiwan: A Feasibility Study	*Chen-Yi Sun; Keng-Fu Kang; Chen Lawrence;	P000220	Chen-Yi Sun	Chengchi University			
09:40-10:00	Study on the factors influencing the built environment of residential areas on the lifestyle walking trips of the elderly	*Daming Xu; YuanYuan Wang;	P000277	Daming Xu	Harbin Institute of Technology			
10:00-10:20	A Phenomenological Study on the Volunteer Experience of Public Garden	*EUNHA JUNG;	P000182	EUNHA JUNG	Seoul national university			
10:20-10:40	Measuring Street Green View Index Based on Dynamic Perception——A Case Study of Streets in Zhongshan District, Dalian.	Fangyu Wu; *Liang Wu;	P000298	Fangyu Wu	Dalian University of Technology			
10:40-10:50	Break							
10:50-11:10	How to get there ? Constructing an Accessibility Evaluation System for Residential Waste Sorting Stations Based on AHP Hierarchical Analysis Method: A Case Study of Suzhou, Jiangsu Province, China	Ting Liu; Hang Hang; *Liang Zhang;	P000302	Ting Liu	School of Architecture, Southeast University			
11:10-11:30	P-000164 Regulating sensitivity analysis of spatial patterns of high-density urban riverfront areas to the river cooling effect: a case study of the Grand Canal in Hangzhou, China	*Xiaojian Zhang; Jiajia Gong; Zhang jia;	P000275	Xiaojian Zhang	Zhejiang University			
11:30-11:50	Differences in Perceptions of Insiders and Outsiders of Gated Communities - Socio- Spatial Impacts	*Majd Al-Homoud;	P000273	Majd Al- Homoud	Prince Sultan University			
11:50-12:10	Perception Preference of Urban Youth on Informal Green Space : A Case Study of Tianjin, China	Zehuan Zhang; Boxu Sun; *Kuili Sun; Yingming Mao;	P000253	Zehuan Zhang	Tianjin Academy of Fine Arts, School of Environmental and Architectural Arts			
12:10-14:00		Lunch time						

14:00-14:20	Image Deep Learning-Based Extraction of Photovoltaic Facility Locations and Visual Blight Evaluation for Assessing Regional Landscape Disturbance	Ju-Kyung Lee; *Yong- Hoon Son;	P000249	Ju- Kyung Lee	Seoul National University
14:20-14:40	Research on the Differentiated Spatial Patterns of Shanghai Rural Revitalization Demonstration Villages	*Haiyan Zou; Zhang Qu;	P000170	Zhang QU	Tongji University
14:40-15:00	A Study on Functional Optimization of Bazaar Space: How to Balance Urban Order and Disordered Human Environment in Urban Renewal	Jingyi Zhan; *Ming LI;	P000287	Jingyi Zhan	Dalian University of Technology
15:00-15:20	Examining the Influence of Neighbourhood- level Green Spaces on Mental Health and Social Cohesion in Danchi: Evidence from a Residential Complex in Japan	Huixin Wang; *Katsunori Furuya; Xie Jing; Luo Shixian; Wang Hao;	P000201	Huixin Wang	Chiba University
15:20-15:40	Research on Coping Strategies for Allergic Risk in Urban Renewal: A Framework Towards Hypoallergenic Urban block	*Yanan YAO; DONG Jinhang; JIA Wenzhen; FU Bowen; LI Shuhua; WANG Yu;	P000134	Yanan Yao	China Architecture Design and Research Group, Tsinghua University

Session 6-A

Room: 203

Session Topic: Activity space and spatial behaviour

Moderator: Yizhao Yang, Shoko Araki, Hyeheong Park

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
09:00-09:20	Neighborhood Walking in the context of COVID-19 Pandemic - Understand the interacting effects of environmental and attitudinal factors	*Yang Yizhao;	P000192	Yizhao Yang	University of Oregon
09:20-09:40	Research on the Impact of Built Environment on Leisure Running Comparing Weekdays and Weekends——A Case of Kumamoto City, Japan	*Congying Fang; Riken Homma; Tianfu Qiu;	P000055	Congying Fang	Graduate School of Science and Technology, Kumamoto University
09:40-10:00	Analysis of the impact of Local Living Programs on the formation of Relational Population	*Changhyun Lee;	P000062	Chang- hyun Lee	Seoul National University
10:00-10:20	A study on the characteristics of daily activities of the elderly and spatial optimization strategies in the public space of the old community in the mountain city from the perspective of inclusiveness: A case study of Liangtingzi Community, Yuzhong District, Chongqing	*Xin Qu;	P000142	Xin Qu	Chongqing University
10:20-10:40	An emergency cabin evacuation simulation for heterogeneous populations	*Liang Chen; Chen Qiao; Zhi-Liang Guo; Zhuo Liu;	P000144	Chen Qiao	Beijing University of Technology
10:40-10:50		Break			
10:50-11:10	The evolution of management and use of "Kleingarten", a residential farm in the suburban of Tokyo Metropolitan area, and its impact on the local community -A Case Study of Kasama Kleingarten, Japan-	*Shoko Araki; Suzuna Mikurino; Akita Noriko;	P000102	Shoko Araki	Tohoku University
11:10-11:30	A Study on Village Community Sustainability from the perspective of Local Creators - The case of Hahyo Village in Jeju Island –	*Daae Chung;	P000104	Daae Chung	Seoul National University
11:30-11:50	A Study of Street Vitality Based on Visual and Auditory Perception: A Case Study of Historic urban areas in Guangzhou, China	Yuhan Xu; *Xiaosu Ma;	P000156	Yuhan Xu	School of Architecture, Southeast University
11:50-12:10	A study on the performance evaluation index of community gardens and case validation in China	*Fuchen Zhang; *Zhirui Huang; *Lee Airan;	P000208	Fuchen Zhang	Cheongju University

12:10-12:30	The Relationship between Outdoor Environment and Recreational Activities of the Elderly Based on Behavioral Mapping	*JING LU; Alamah Misni;	P000263	JING LU	College of Fine Arts, Qingdao University
12:30-14:00		Lunch time			
14:00-14:20	An Agent-Based Approach to Simulating Evacuation in Elderly-Care Facilities with Disabled Older Adults	Zhongqi Wang; *Zhuo Liu; Liang Chen;	P000281	Zhongqi Wang	Beijing University of Technology
14:20-14:40	Wall following behavior and group behavior in pedestrian evacuation under condition of zero visibility: Experimental and simulation results	Zhi-Liang Guo; *Liang Chen; Chen Qiao; Zhuo Liu;	P000286	Zhi-Liang Guo	Beijing University of Technology
14:40-15:00	Exploring built environment factors affecting the realization of planned medical accessibility for urban older Adults: New evidence from non-linear analysis	Sichun Li; *Zhuo Liu; Long Cheng;	P000279	Sichun Li	Beijing University of Technology
15:00-15:20	The Collaborative Governance Theory and Its Guiding Framework in Chinese Urban Regeneration	Zichun Guo; *Wen Jiang;	P000217	Zichun Guo	Chongqing University
15:20-15:40	Analysis of Outdoor Space Usage Behavior on University Campus After COVID-19 Pandemic	Hyeheong Park; *Jongsang Sung;	P000226	Hyejeong Park	Seoul National University

Session 7-A

Room: 205

Session Topic: Activity space and spatial behaviour

Moderator: Yu-Ping Hsu, Yan Tang, KENICHI SUGIHARA

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
09:00-09:20	Research on the Resilience of Historic Built Environments Based on Multi- source Data Fusion: A Case Study of Zhonglouwan Area in Beijing	*XINYU WANG; *XIN WANG;	P000269	WANG XINYU	Beijing Jiaotong University
09:20-09:40	Research on Child-Friendly Renewal Strategy of Community Public Space From the Perspective of Inclusive Development	Yiming Zhao; Zhaoxin Jiang; *Yang Yang; Chenyang Li; Chenjie Dong; Liang Zhao;	P000003	Yang Yang	Shandong Jianzhu University
09:40-10:00	A preliminary discussion of the industrial vacant space effective reuse- Take Ten Drum Cultural and Creative Park as an example	*Yu-Ping Hsu; Jen-Hao Cheng;	P000288	Yu-Ping Hsu	Chinese Culture University
10:00-10:20	Impacts of COVID-19 on Coworking Spaces in Bangkok	*Sirima Srisuwon; Sutee Anantsuksomsri;	P000282	Sutee Anantsuksomsri	Chulalongkor n University
10:20-10:40	Exploring Rural Spatial Planning Principles through the New Ruralism 4Cs Concept: Insights from the RURITAGE Project SIAs	Dong-yoon Yi; *Yong- hoon Son;	P000189	Dong-yoon Yi	Seoul National University
10:40-10:50		Break			
10:50-11:10	The Distribution Logic of Online Catering Space During the Covid-19 Pandemic: An empirical study in Beijing	*Zhixuan WANG; Qiang SHENG;	P000292	Zhixuan WANG	School of Architecture and Design, Beijing Jiaotong University
11:10-11:30	Study on Spatial Layout of Food Market in the Informational Age	*Yu Zhang; *Qiang Sheng;	P000297	Yu Zhang	Beijing Jiaotong University
11:30-11:50	A Study on The Spatial Distribution of Different Types of Agricultural Markets using Correlation test with Topology Based Road Network Analysis and Population—— A Case Study in Matsudo,Chiba,Japan.	*Dan Li;	P000052	Li Dan	Chiba University
11:50-12:10	The Market Mechanism for Urban Regeneration of Beijing, China: Governance Structure and Benefit Balance Analysis of Five Types of Typical Practical Cases	Xiaoyong Yin; *Yan Tang;	P000180	Xiaoyong YIN	School of Architecture, Tsinghua University

12:10-12:30	Value of Connections Beyond Space: The Impact of Online Industrial Clusters on Digital Transformation of Small and Medium-sized Enterprises	*Xiaohui Yuan; Pengyang Wu; Qiong Liu; Zhang Tianyao;	P000242	Xiaohui Yuan	Tencent Research Institute
12:30-14:00		Lunch time			
14:00-14:20	Resilient Nature Park Based on The View of Urban-rural Space Integration : A Study on Planning Method for the Conservation and Utilization of High-value Fragmented Land Plots for Non-Building Use in Urban Edge Area	Yao Zheng; *Ling Huang; Zhong Xing;	P000193	Yao Zheng	Chongqing university
14:20-14:40	Pondering the Spatial Pattern of Declining: A Study on the Commercial Stability in Qianmen Area in Beijing	*Zeyang Xu; Qiang Sheng; Yongjian Wang;	P000265	Zeyang Xu	Beijing Jiaotong University
14:40-15:00	Spatial accessibility analysis of pre- hospital emergency facilities based on isochron: A case study of six Central Districts of Beijing	Yuan Zhao; *Ying Zhou;	P000138	Yuan Zhao	School of Architecture, Southeast University
15:00-15:20	The state and future of Smart development of Kyoto Zoo in the context of smart city - Analysis of decision making through FCEM and IPA	Yuxuan Lin; *Ryosuke Shimoda;	P000150	YUXUAN LIN	Chiba University
15:20-15:40	Automatic Generation of 3D Building Models for Smart Houses by GIS and CG Integrated System	*KENICHI SUGIHARA; Zhenjiang Shen; Murase Takahiro;	P000097	KENICHI SUGIHARA	Kanazawa University

Session 8-A

Room: 207

Session Topic: Spatial and digital adaption

Moderator : Zhuo LIU, Hsu-Sheng Hsieh, Rifai Mardin

Time	Title	Authors (*corresponding author)	Paper ID	Speaker	Affiliation
09:00-09:20	Research on the accessibility of urban community health service stations from the perspective of aging appropriateness——Take the core district of Beijing as an example	*Yongjian wang; Yongquan chen; Xu zeyang;	P000291	Yongjian Wang	Beijing Jiaotong University
09:20-09:40	Estimating COVID-19 Transmission on University Campuses: An Agent-Based Model with a Focus on In-Travel Transmissions	Zhixuan QI; *Zhuo LIU; Hongli CHEN;	P000284	Zhuo LIU	Beijing University of Technology
09:40-10:00	Player behaviour patterns and wayfinding logic in game virtual spaces: The horror game Outlast as an example	*Dian Yu; Ai Wang; Wan Bo; Sheng Qiang;	P000301	Dian Yu	Beijing Jiaotong University
10:00-10:20	Resilient Industrial Land Use: A Spatial Governance Approach to Chinese Urban Economic Risks	*Geng Lei;	P000251	Lei Geng	Nanjing University
10:20-10:40	Research on the Distribution and Protection of Ancient Kiln Sites in Fujian Province From the Perspective of Heritage Corridors	Jiaxin Cheng; *Qiuyi Zhang;	P000296	Qiuyi Zhang	Fujian University of Technology
10:40-10:50		Break			
10:50-11:10	Unpacking the Discourses of the Smart City as a Solution to Urban Shrinkage: A Network Analysis Approach	Seok-Gil Denver Jang; Tsolmon Bayarsaikhan; *Gim Tae-Hyoung Tommy;	P000087	Seok-Gil Denver Jang	Graduate School of Environmental Studies, Seoul National University
11:10-11:30	Research on the actual use of garden direct sales centres	Nao UEHARA; *Noriko AKITA	P000195	Nao UEHARA	Chiba University
11:30-11:50	Bridging the Knowing-Doing Gap: Communicators' Environmental Awareness and Behavior Change through Designing and Implementing Persuasive Communication for Sustainable Behavior	*Hsu-Sheng Hsieh;	P000228	Hsu- Sheng Hsieh	Institute of Public Affairs Management, Taiwan Sun Yat- sen University
11:50-12:10	Strategies for building resilience for population development in the context of sustainable conservation of World Heritage areas	Xin Wei; *Si Wu;	P000113	Si Wu	Central South Architectural Design Institute Co., Ltd

12:10-12:30	Assessing the economic value and behaviour patterns of national park visitors in Guizhou, China	*Zeli Hu;	P000042	Hu Zeli	Liupanshui Normal University
12:30-14:00		Lunch time			
14:00-14:20	Correlation Between Accessibility to Urban Open Spaces and City Livability- Case of Um EL Emarat Park in Abu Dhabi	*Rim Meziani; Yassin Bada; HADJIRA SAKHRI; Hamzaoui Hafnaoui; MAHFOUD SAFIA; Dua'a Mahmoud Al Rifai;	P000274	Rim Meziani	Architecture College of Engineering, Abu Dhabi University
14:20-14:40	Building Spatial Resilience for Rural Communities: A Case Study of Two Typical Villages in Jiangsu, China	*Yiwei Yang;	P000259	Yiwei Yang	Southeast University
14:40-15:00	Mapping Settlement Fire Hazard Based On Climate Factors Using Remote Sensing-A Case Study in Mantikulore, Palu	*Rifai Mardin; M Yasin Al Ansyar; Syarifuddin Laema;	P000256	Rifai Mardin	Tadulako University
15:00-15:20	Towards an Urban Planning Scenario Model System ——a Tool for exploring Urban Uncertainty	Xuefei Li, Liang Zhao, *Yang Yang, Danni Liu and Baizhen Li	P000066	Yang Yang	Shandong Jianzhu University
15:20-15:40	The influence of spatial attributes on mobile phone Apps-based community online activities: evidence from Nanjing	Guangliang Xi; *Feng Zhen; Guan Ruochen;	P000229	Guanglia ng Xi	Nanjing University

Banquet & Excursion

Banquet Invitation

Dear Participants,

We are pleased to announce that the banquet event will be held at the Za Garden House at 26th Aug ,located near Kanazawa Station, within Hotel Nikko Kanazawa. We cordially invite you to join us for an exquisite evening.

Here are the important details regarding the dinner:

Time & Location: August 26, 7pm to 9pm, Hotel Nikko Kanazawa 2F, 2-15-1 Honmachi, Kanazawa City, Ishikawa Prefecture(ザ・ガーデンハウス)

Venue: The dinner will take place at the **Za Garden House**, an elegant banquet hall situated conveniently near Kanazawa Station, within the premises of Hotel Nikko Kanazawa. The venue has a beautiful scan of Kanazawa city to enhance your experience of Kanazawa.

RSVP: To confirm your attendance at the dinner, please inform us via this questionnaire in advance.

Cost: The approximate cost per person for the dinner will be **10,000 Japanese Yen**. **And students will be offered a special rate of 5,000 Japanese Yen**. **Advanced registration is required**. This cost includes a delectable buffet-style dinner, featuring a wide array of options, and a self-service beverage station offering various drinks, including alcoholic beverages. In Japan, the banquet costs cannot be supported by funding or registration fees, and this cost will be collected **on-site in conference venue at Kanazawa University**. However, if you need certification please inform us.

Thank you for your attention, and we look forward to your presence at this special dinner event at Hotel Nikko Kanazawa's Za Garden House.

Best regards SPSD 2023 Organizers



Reply form: Scan the QR code to vote or go to https://forms.microsoft.com/r/JZ1t8273Ub

Inside & Meal











Please notice: the specific catering content is subject to the day

Location



Google map

Excursion

We are pleased to announce that the excursions will be organized on 28th August.

We cordially invite you to join us for an exquisite tourist.

Participant number are limited, and those who register first are preferred.

Meals are not provided but we gave you some recommendations.

Here are the important details regarding the dinner:

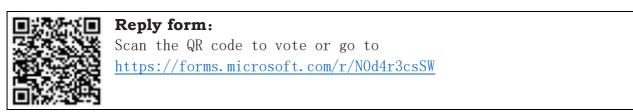
- Date : 28th August, about 9 am to 18 pm
- **Excursion**: Shirakawa-go
- RSVP: To confirm your attendance at the dinner, please inform us via the questionnaire in advance.

Thank you for your attention. We look forward to welcoming you on this special

excursion to Kanazawa and wish you a pleasant trip.

Time	Program
09:00~17:00	Excursion: Shiragawa-go

The schedule of our tourist is on the next page.



Notice:

[1] In our trip, meals are not provided but we gave you some recommendations, for the more detailed information, please refer to our sent file "Visit itinerary"

Shirakawa-go travel plan

Excursion Overview: The total journey takes about 9 hours.

09:00	The bus departs from Korinbo and passes through Kanazawa Station (About minutes).
10:30	Arrive at the Shirakawa-go parking lot
10:40	Visit (1) the museum Gassho-zukuri Minkaen (25 or more Adults: 550 yen) (About 30 minutes).
11:10	Walk to the main street of Shirakawa-go visa deai bridge (About 15 minutes)
11:25 •	Take a sightseeing bus to the observation deck (About 10 minutes)
11:35 •	Visit (2) Observation deck (About 25 minutes)
12:30	Lunch
	(About 50 minutes)
13:20 🛉	Visit (3) Nationally Designated Important Cultural Property- Wada House
	Of (20 or more Adult: 350 yen)
	(About 30 minutes)
13:50 🖣	Assemble and head to Takayama Jinya
	(About 40 minutes)
14:30	Free time in Takayama Jinya
	(About 60 minutes)
15:30	Assemble at the parking lot and prepare for the return journey (About 100 minutes)
17:00	Return to Kanazawa Korinbo and pass through Kanazawa Station

Lunch recommendation : Hakusuien (354 Ogimachi, Shirakawa, Ono District, Gifu 501-

5627) & Shiraogi (155 Ogimachi, Shirakawa, Ono District, Gifu 501-5627)



Views around Shirakawa-go Direction

Transportation Guidelines

1) Osaka or Tokyo - Kanazawa

More transportation information to get Kanazawa can be found on this website: https://visitkanazawa.jp/en/getting-to-kanazawa

Notice: The timetables for weekday, Saturday and Sunday and holiday are different, so please check the departure date carefully.

<u>Osaka – Kanazawa</u>

Kansai Airport – Kanazawa

You can take the JR Kansai Airport Line HARUKA (JR 関西空港線 はるか) to Shin-Osaka Station, then take the JR Tokaido Main Line THUNDERBIRD (JR 東海道本線 サンダー バード) to Kanazawa Station, the total journey of about 4-5 hours.

Overview:

Kansai Airport Station

JR Kansai Airport Line HARUKA (JR 関西空港線 はるか) about 50minutes

Shin-Osaka Station

JR Tokaido Main Line THUNDERBIRD (JR 東海道本線 サンダーバード) about 2hours and 40 minutes

Tokyo – Kanazawa

Narita Airport – Kanazawa

Take the Keisei SKYLINE(京成スカイライナー) to Keisei Ueno Station, exit the station and walk to JR Ueno Station, then transfer to the Hokuriku Shinkansen KAGAYAKI (北陸 新幹線 かがやき) to Kanazawa Station. The total travel time is about 4-5 hours.

Overview:

Narita Airport Terminal 2

Take Keisei SKYLINE(京成スカイライナー) about 50 minutes

Keisei Ueno Station

Exit the station and walk about 15 minutes

JR Ueno Station

Take Hokuriku Shinkansen KAGAYAKI (北陸新幹線 かがやき) about 2 hours 30 minutes

Haneda Airport – Kanazawa

Route 1

Take the Tokyo Monorail (東京モノレール) to **Hamamatsucho Station**, transfer to the JR Keihintohoku Line-Negishi Line (JR 京浜東北線・根岸線) or JR Yamanote Line (JR 山手線) to **JR Tokyo Station**, then transfer to the Hokuriku Shinkansen KAGAYAKI (北陸新幹線 かがやき) to **Kanazawa Station**. The total travel time is about 3-4 hours.

Overview:

Haneda Airport Terminal 1

Take Tokyo Monorail (東京モノレール) about 25 minutes

Hamamatsucho Station

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Take JR Keihintohoku Line-Negishi Line (JR 京浜東北線·根岸線) or JR Yamanote Line(JR 山手線) about 10 minutes
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JR Tokyo Station

Take Hokuriku Shinkansen KAGAYAKI (北陸新幹線 かがやき) about 2 hours 30 minutes

Route 2

Take airplane to **Komatsu Airport**, transfer to the Hokuriku Railway Komatsu Airport Bus(北陸鉄道 小松空港リムジンバス) or JR Hokuriku Main Line (JR 北陸本線) to **Kanazawa Station**. The total travel time is about 3-4 hours.

Overview:

Haneda Airport Terminal 1

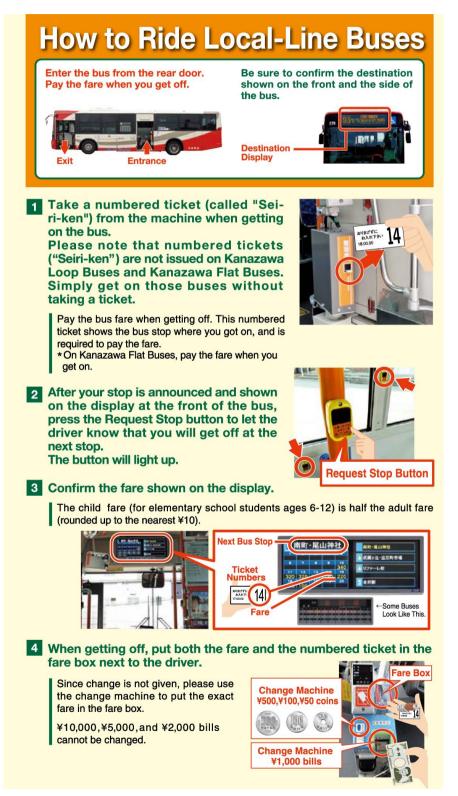
Take airplane about 1 hours

Komatsu Airport

Take Hokuriku Railway Komatsu Airport Bus(北陸鉄道 小松空港リムジンバス) or JR Hokuriku Main Line (JR 北陸本線) about 40 minutes

2)Center Kanazawa-Venue

• How to take a bus



Please notice that most line can not use no-local bus card, like Suica card or ICOCA card

Where to take a bus

Kanazawa station

In Kanazawa station, there are lots of bus stop, if you go to our venue directly, you can take the bus at number 8 stop of the eastern gate visa line 93/94/97,the fee will be around 310 JPY.



Korinbo



Please note that there are several stops in Korinbo, but the main stops for access to Kanazawa University are No. 1 and No. 4. Line 96 does not pass through No. 4. Please be careful.

Korinbo[1] (In front of Fourth High School Memorial Hall) 香林坊[1] (四高記念館前)



Korinbo[4] (in front of the atelier) 香林坊[4](アトリオ前)



Korinbo [7] (in front of the Japan Bank)

香林坊[7](日銀前)



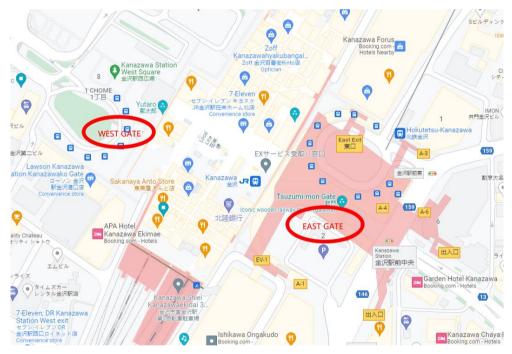
How & Where to take a taxi

The taxi mostly will wait near Kanazawa station or Korinbo, you can tell the driver "<the name of the place you want to go>ni ikitai desu" and he/she will drive you to the destination.

Here are Japanese pronunciation of some locations:

The fee may often be around 500-600 JPY per kilometer. And the price will raise 20% around 10 pm-5 am, for example. If you take a taxi from Kanazawa station to our venue, it would often cost 2500-3500 JPY.

We recommend some places that taxi will usually wait for clients as follows:



Kanazawa station, taxi will wait at east & west gate



Bus stop near Kōrinbō



Bus stop near Katamachi, taxis are often waiting in the red circle