

Register Sat. 11 Jan. 2025

16:00-18:30 Register 1F Lobby, Fukuoka International Congress Center
18:30-20:30 Welcome Party 1F Restaurant, Fukuoka International Congress Center

Fukuoka International Congress Center Sun. 12 Jan. 2025

Opening Moderator: Prof. Koichiro Aitani

08:00-08:30 Register 5F Lobby, Fukuoka International Congress Center
08:30-09:00 Opening Address Prof. Ohgai Akira (Head of AURG)
Welcome Speech Prof. Takeru Sakai (Kyushu University)
Group photograph Prof. Koichiro Aitani (Kyushu University)

Room 504 Sun. 12 Jan. 2025

Session 1: Urban and Rural Planning Chairman: Prof. Xiaoyan Mi

09:20-09:40 NO.01 Status of Development of Public Utility Facilities in Ohnan Town, Merged Two Towns and One Village at Heisei Period - Status of Reorganization of Elementary and Junior High Schools and Facilities Layout in the Central Area of Two Former Towns - Asuka KORESAWA, Tomohisa HOSODA, Sachiko MISHIMA and Mahito NAKAZONO
09:40-10:00 NO.02 Assessing the Quality of Living in Satellite Towns and its Impact on Sustainable Urban Development: A Case Study of Mukono Municipal Council, Uganda Simon Peter LUWANDAGGA, Haruka ONO
10:00-10:20 NO.03 The Driving Forces of Population Change in High-Altitude Mountain Villages and Towns: A Case Study of Sichuan Province, China Xiangyu DONG, Chuwei YU, Jiaqi ZOU, Hongxin SUI, Siting CHEN and Shichen ZHAO
10:20-10:40 NO.04 Analysis of changes of land use in urban planning related to the changes of population and industry: Focused on Chungcheongnam-do, Korea Jae-hwan PARK, Yountaik LEEM
10:40-11:00 NO.05 Study on Spatial Renewal of Atypical Traditional Villages in South Anhui Based on Intelligent Composition of Habitat Space Modules: a case study of Yuguang Village, Huangshan, China Zao Li, Xiao GUO, Qiang WANG, Maochun LI, Hanyue TONG and Quan YUAN

11:00-11:20 Coffee Break

Session 2: Social Relationship Chairman: Prof. Kojiro Watanabe

11:20-11:40 NO.06 Assessing the Substitutability of Physical and Cyber Access to Services Considering Social Networks and Residential Location and its Impact on Residential Location Choice Daiki SUZUKI, Nao SUGIKI, Mustafa MUTAHARI and Kojiro MATSUDO
11:40-12:00 NO.07 Shaping and being shaped: A review of the interaction between spatial resources and social relationships in mountainous cities Xiaoyan MI, Yuqing HE, Yantianxiang CHEN and Fandi YU
12:00-12:20 NO.08 A Study on the Spatial Structure of Urban Nodes and the Psychological Impact of Users' Environment - A Case Study of the Hakata Station, Fukuoka Chiayu TSAI, Shichen ZHAO
12:20-12:40 NO.09 The Effective Tourism Measures for Regional Problems in Tourism Destination Types Saki UTO, Yuka HIMENO and Ryo NISHIMURA

12:40-13:40 Lunch Break

Session 3: Urban Space and Culture Chairman: Prof. Koichiro Aitani

13:40-14:00 NO.10 Analysis of the Characteristics of Multi-level Pedestrian Networks in the Urban Central Area, Japan Tianxin XU and Naoki TSURUSAKI
14:00-14:20 NO.11 Diversity and Utilization of Public Space in Karebosi Makassar, Indonesia Andi Lolo SINRANG, Junichiro ASANO, Andi Muhammad Hasyim Akbari QASHAS
14:20-14:40 NO.12 A Study to Analyze the Cultural Heritage Buildings Pattern and Physical Attribute Characteristics in the Chinatown Area, Makassar City, Indonesia Muhammad Yogi RADITYA and Junichiro ASANO
14:40-15:00 NO.13 The Unique Architectural Form of Rooftop Dwelling in the West Liaoning Corridor and the Cultural Characteristics of East Asian Cities Behind It Bijiao LI and Jingcheng YUAN
15:00-15:20 NO.14 Revealing the New Heritage Colonial Style Buildings Along Jalan Malioboro as the Urban Axis of Yogyakarta Bambang HERYANTO and Diana AYUDYA

15:20-15:40 Coffee Break

Session 4: Function Optimization Chairman: Prof. Yountaik Leem

15:40-16:00 NO.15 Evaluating the Preservation of Station Area Functionality Following Rail-to-BRT Conversion Jaewon KANG, Shichen ZHAO

16:00-16:20 NO.16 Tourism Creative Industry Based Planning in Tanjung Bira & Lemo-Lemo, Bulukumba Regency, Indonesia Mukti ALI, Sri Aliah EKAWATI, Muhammad IRFAN, Dewa Sagita ALFADIN NUR, Muhammad Yogi RADITYA, Nasaruddin NASARUDDIN, Andi Nurul INAYAH, Muh Rayhan ZAIRA and Dwi Hartina HASNAH
16:20-16:40 NO.17 Image cognition and optimization strategies of historical and cultural blocks based on space syntax: A case study of Shangxiaohang Historical and cultural blocks in Fuzhou Shidie Wu, Hui HU
16:40-17:00 NO.18 Understanding Coexistence and Segregation in Dharavi, Mumbai : A Relational Analysis of Business Owners and Workers Rion SENDA, Seia MATSUDA and Haruka ONO
17:00-17:20 NO.19 The Impact of Metro Stations on Transit-induced Commercial Gentrification: The Case of Beijing Xiyu CHEN, Xiaoyan MI, Delong SUN and Dachang YUAN

Room 504 Mon. 13 Jan. 2025

Session 5: Environmental Strategies Chairman: Prof. R. Diana Ayudya

08:30-08:50 NO.20 Study on the Evaluation Method for Road Disruption and Isolation Risk due to Slope Failure during Heavy Rainfall in Mountainous Regions Kazushi MATSUMOTO, Feifan XU and Hirokazu KATO
08:50-09:10 NO.21 Assessment of Urban Heatwave Risk and Urban Design Interventions Mingqian LI, Chunxiao WANG
09:10-09:30 NO.22 Characterizing and Categorizing Reservoirs in Toyohashi City: An Analysis of Environmental Conditions and Land Use Patterns Akari MATSUBA, Haruka ONO
09:30-09:50 NO.23 Analyzing the Aspects of Mitigating Vehicular Air Pollution Using Roadside Greeneries—A Case Study on Dhaka City Jinat JAHAN, Meher Nigar NEEMA, Sakawat Hossen SAIKAT, Kazuki KARASHIMA and Akira OHGAI
09:50-10:10 NO.24 Public Dismantling of Public Funds in Nuclear Power Plant Affected Areas- Focusing on Institution and Spatial Society- Riku TERAUCHI, Ryoma SATO, Haruka ONO

Session 6: Urban Sustainability Chairman: Prof. Feifan Xu

10:30-10:50 NO.25 Balancing Accessibility and Activity: A Node-Place Analysis of TODs in Hefei City Wei WU, Qian NIE and Mengge DU
10:50-11:10 NO.26 Management State and Issues of Community Development by Using Nighttime Landscape in Important Preservation Districts for Groups of Historic Buildings Ririka OKADA and Ryo INOUE
11:10-11:30 NO.27 Research on Public Service Facilities in Community Living Area from the Perspective of Supply and Demand—A case study of Lhasa Yibing XIE, Lixing CHEN, Bo ZHANG, Yingzi ZHANG
11:30-11:50 NO.28 Water Supply and Demand Analysis to Assess Water Shortages and Preparedness in Large-scale Earthquake disaster Azuki SUEHIRO, Nao SUGIKI and Kojiro MATSUDO
11:50-12:10 NO.29 Predicting Vacancy Growth for Sustainable Housing Management: A Study of Integrated Models Utilizing Supervised Learning Approaches So-Yeong LEE and Hee-Sun JOO

12:10-13:30 Lunch Break

Room 505 Sun. 12 Jan. 2025

Session 7: Smart City Chairman: Prof. Taeheon Moon

09:20-09:40 NO.30 Development of a Planning Support System for Examining the Placement of Ambulances Incorporating Machine Learning Kazuki KARASHIMA
09:40-10:00 NO.31 Selecting Intelligent CCTV Locations for Bicycle Safety in Urban Planning Hye-lim KIM, Tae-heon MOON and Sun-young HEO
10:00-10:20 NO.32 Identification and Adaptive Planning of Climate-Vulnerable Communities Based on Planning Support Systems Kelin YIN and Jianqiang WANG
10:20-10:40 NO.33 Research on the prediction of summer air-conditioning energy consumption in college classrooms based on ensemble Learning Zao LI, Rui SHI, Qiang WANG, Taoyuan ZHANG and Chunxiang DONG
10:40-11:00 NO.34 Analyzing and Predicting Land Use Changes Using Machine Learning by Open-source Software and Open Database: A Case Study of Toyohashi City, Japan Hideki SUMOTO, Nao SUGIKI and Haruka ONO

11:00-11:20 Coffee Break

Session 8: Risk Management Chairman: Prof. Naoki Tsurusaki

11:20-11:40 NO.35 Forest ecosystem-based management in municipalities: Balancing supply and demand of wood production service Takeru OCHI, Ryo FUKUDA, Haruka ONO

11:40-12:00 NO.36 Circularity for the poor: Gaps and patterns of existing research in circularity and citizen participation based on economic regions Randima De SILVA, Prasanna DIVIGALPITIYA
12:00-12:20 NO.37 An Analysis of the Changing Process of a Mega Project: The Case of the Saemangeum Reclamation Project, Korea Yong Hee CHEON, Yountaik LEEM
12:20-12:40 NO.38 Research on the possibility of community-based activities for disaster mitigation and reducing population outflow- Comparative analysis of seven regions - Rina NAGASHIMA, Kazuki KARASHIMA

12:40-13:40 Lunch Break

Session 9: Community Optimization Chairman: Prof. Kazuki Karashima

13:40-14:00 NO.39 The Urban Street Context and Community Traits in Republican Shanghai, China Mudan LU, Simin CHEN and Takeru SAKAI
14:00-14:20 NO.40 A Practical Study on the Regeneration of Urban Communities: Taking Shanghai as an Example Shuxin CHEN
14:20-14:40 NO.41 Electroencephalogram Interaction for Virtual City Optimization: A Study of Shanghai's Lujiazui CBD Yujia MENG, Rui ZENG, Zihuan ZHANG, Zao LI
14:40-15:00 NO.42 Future Quality of Life (QOL) Projections and Urban Policy Evaluation Using Urban Microsimulation in Toyohashi City Yuta OKAWA, Nao SUGIKI, Tsuyoshi TAKANO, Hiroyoshi MORITA, Yoshitsugu HAYASHI, Mustafa MUTAHARI and Kojiro MATSUDO
15:00-15:20 NO.43 Research on Park Configuration Evaluation Based on Sentiment Analysis Using SNS Data Boyu REN, Meiping LI, Mengge DU, Dachang YUAN and Peng ZENG

15:20-15:40 Coffee Break

Session 10: Digital City Chairman: Prof. Hyojin Baek

15:40-16:00 NO.44 Exploration of facade renewal of traditional villages in southern Anhui based on AIGC generation technology Zao LI, Mengwei XU, Qiang WANG, Bin REN and Changlong MA
16:00-16:20 NO.45 Exploring the Adoption of Information and Communication Technology Tools in Japanese Neighborhood Associations: Resident Attitudes and Barriers to Implementation Michikazu INAGAKI, Yoshiki KODAMA, Hwajin LIM, Sae KONDO, Naoya OGAWA and Haruka ONO
16:20-16:40 NO.46 Study on the Elements of Tourists' Perception in Huizhou Traditional Villages Based on Social Media Data Qi ZHUANG, Xia Sun and Zao LI
16:40-17:00 NO.47 Research on Long-term Service Dynamics of Rural Basic Educational facilities: A Multi-temporal Analysis in Tongzhou, Beijing Ziteng LIU, Ze LIU, Shichen ZHAO and Qi CHEN
17:00-17:20 NO.48 Analysis of Psychological Evaluation of Urban Parks Based on Social Media Data - A case study of Ohori Park, Fukuoka, Japan Sizhe YU, Takeru SAKAI, Dongki HONG and Yangguang XIAO

Room 505 Mon. 13 Jan. 2025

Session 11: Culture and Environment Chairman: Prof. Xia Sun

08:30-08:50 NO.49 Field Observation of Indoor Environment in Housing from Slum-Upgrading Projects in Surakarta City, Indonesia Yuki MINAMI, Nurul Handayani KUSUMANINGDYAH, Komariah KOMARIAH, Solli MURTYAS and Aya HAGISHIMA
08:50-09:10 NO.50 An Analysis of the Regional Construction Characteristics of Yang Tingbao's Former Residence in Nanyang City Jiashun LV, Zao LI, and Xingguang ZHANG
09:10-09:30 NO.51 Understanding Coexistence and Segregation in Dharavi, Mumbai: Exploring the Intersection of Religion, Business, and Spatial Distribution Seia MATSUDA, Rion SENDA and Haruka ONO
09:30-09:50 NO.52 Research on the Cultural Landscape and Settlement Pattern of Karst Spring Valley in the Chinese Loess Plateau: A Case Study of the Yutaoho River Valley in Shanxi Province Sheng DANG, Weiyuan KONG, Lanmeng FENG, Hongwei DONG, Rong ZHANG
09:50-10:10 NO.53 The centrality of Korea cities in 19th century: case study for Greater Seoul Metropolitan Area of Korea Hyojin BAEK, Donghak BAE

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| 10:10-10:30 | Coffee Break |
| Session 12: Community Renewal Chairman: Prof. Nao Sugiki | |
| 10:30-10:50 | NO.54 Research progress on aging-friendly renewal of urban communities: A Bibliometric Analysis and Visualization using CiteSpace and VOSviewer <i>Zao LI, Bin REN, Yanyan GAO, Mengwei XU and Wenqian JIANG</i> |
| 10:50-11:10 | NO.55 Research and planning implications of the care service system for infants and young children under 3 years old: based on the comparison of the United States and Japan <i>Mingyu ZHANG, Ze LIU</i> |
| 11:10-11:30 | NO.56 Addressing Sustainability and Green Certifications in The Construction Industry in Accra: A Multi-Goal Analysis of Four Selected Planning Policies <i>Emmanuella Asiedua ASANTE and Prasanna DIVIGALPITIYA</i> |
| 11:30-11:50 | NO.57 A Comparative Study of Urban Structures in Korean Innovation Cities for Developing an AI Chatbot for Conceptual Urban Design: Focusing on the Application of Collage Techniques and City Image Elements <i>SuYung KIM, Hyeon Bin CHO and Joon Hyok JO</i> |
| 11:50-12:10 | NO.58 Thermal Comfort and Living Conditions in Informal Settlements A Case Study of Lusaka, Zambia <i>Koki SEKI, Kotaro MATSUSHIMA, Haruka ONO</i> |

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| 12:10-13:30 | Lunch Break |
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Room 506 **Sun. 12 Jan. 2025**

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| Session 13: Land Use Policy Chairman: Prof. Takefumi Kurose | |
| 09:20-09:40 | NO.59 Study on Change in Former Village Districts and Public Transportation in Nichinan Town Promoting "Compact Village Plan" <i>Sachi KUBO, Tomohisa HOSODA, Sachiko MISHIMA and Mahito NAKAZONO</i> |
| 09:40-10:00 | NO.60 A Study on the Impact of Land-use Compactness on Urban Heat Island (UHI) Intensity <i>Min-Cheul BAE, Hui-Cheul YU and Hee-Sun JOO</i> |
| 10:00-10:20 | NO.61 Seasonal Variations in the Cooling Effect of Urban Vegetation on Land Surface Temperature: A Case Study of Central Jakarta, Indonesia <i>Mirsyad HUSAIN, Prasanna DIVIGALPITIYA</i> |
| 10:20-10:40 | NO.62 Exploring Emotional Perception Effects of Urban Characteristic Street Night Scenes Based on Skin Electric Experiments <i>Wencong ZHANG, Xia SUN and Zao LI</i> |
| 10:40-11:00 | NO.63 Study on the Impact of Temporary Utilization of Stock Industrial Land on Neighborhood Spatial Changes: A Case Study of the Six Central Districts of Beijing <i>Jihui HONG, Delong SUN, Xiaoyan MI and Dachang YUAN</i> |

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| 11:00-11:20 | Coffee Break |
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Session 14: Spatial Simulation Chairman: Prof. Junichiro Asano

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| 11:20-11:40 | NO.64 The Landscape Composition and Attractiveness of Viewpoints in Itoshima Peninsula Coastal Areas <i>Hengjia ZHANG, Takeru SAKAI and Dongki HONG</i> |
| 11:40-12:00 | NO.65 Parameters Transferability Examination for Urban Micro-simulation Model <i>Tsubasa KOIZUMI, Nao SUGIKI, Kojiro MATSUO</i> |
| 12:00-12:20 | NO.66 Form and Light—Digital Perception Study of Traditional Huizhou Villages Based on Visual and Psychological Collaborative Experiments <i>Daiyuan CHAI, Geng CHENG and Zao LI</i> |
| 12:20-12:40 | NO.67 Spatial Distribution Study of Traditional Villages in Huizhou Based on ArcGis Technology <i>Zao LI, Youzhi CHEN, Qiang WANG, Kangkang GU, Chunfeng YANG and Jingyu CHEN</i> |

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| 12:40-13:40 | Lunch Break |
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Session 15: Disaster Prevention Chairman: Prof. Yingzi Zhang

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| 13:40-14:00 | NO.68 The Impact of the Pandemic on the Operation of Disaster Prevention Bases <i>Rei MATSUMOTO, Takeru SAKAI and Dongki HONG</i> |
| 14:00-14:20 | NO.69 Social perception: A bonds of urban space guiding social relations <i>Xiaoyan MI, Fandi YU, Yuqing HE and Yantianxiang CHEN</i> |
| 14:20-14:40 | NO.70 Urbanization and Overcrowding: Analyzing Settlement Changes in Lusaka's Chaisa Compound <i>Kotaro MATSUSHITA, Koki SEKI and Haruka ONO</i> |
| 14:40-15:00 | NO.71 Fundamental Survey for Studying Disaster Prevention Activities and Environment Improvement in Residential Complexes that Contribute to Building Residents' Awareness of Disaster Prevention <i>Chiaki MATSUNAGA and Miho MASATSUGU</i> |
| 15:00-15:20 | NO.72 Simulating flood disaster evacuation behavior in Indonesian urban riverbank kampongs: a multiple morphological evaluation <i>Irsyad Adhi Waskita Hutama, Hitoshi NAKAMURA</i> |

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| 15:20-15:40 | Coffee Break |
| Session 16: Public Facility Chairman: Prof. Yuka Himeno | |
| 15:40-16:00 | NO.73 Case Study of Shared Housing for the Elderly Using Vacant Houses and Units in a suburban city: Survey on the Use of "Nagomi noie" in Fukuoka City <i>Tomoko OHBA, Taichi KATO and Sachiko MISHIMA</i> |
| 16:00-16:20 | NO.74 Study on Aging-friendly Design for Urban Spaces around Community Health Service Center: A Case Study in Hefei City <i>Yanyan GAO, Yuyao QIU, Zao LI, Ying ZHOU and Yiqing CAI</i> |
| 16:20-16:40 | NO.75 Study on the Influence of Landscape Elements on Crowd Concentration and Activities in Urban Parks: Case Study of Fukuoka City, Japan <i>Hang SHEN, Kojiro SHO, Takeru SAKAI and Dongki HONG</i> |
| 16:40-17:00 | NO.76 Color standard for Urban Landscape Design in Japan and its implications—taking Nara city as an example <i>Zherui BAI, Chengkang WANG, Qing YIN, Yang LI and Shiyao LU</i> |
| 17:00-17:20 | NO.77 Exploring the Multifunctional Uses of Regulating Reservoirs: A Case Study of Aqua Terrace and Its Urban Community in Japan <i>Seiya OKUBO, Takeru OCHI, Ryoma SATO, Akari MATSUBA, Taiyo MIYAJIMA and Haruka ONO</i> |

Room 506 **Mon. 13 Jan. 2025**

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| Session 17: Spatial Big Data Chairman: Prof. Prasanna Divigalpitaya | |
| 08:30-08:50 | NO.78 Does the compact and mixed-function land use pattern reduce the cooling performance of urban greenway networks? Evidence from China <i>Tianhui FAN, Yuzhu SHEN, Shanshan LI and Yujie REN</i> |
| 08:50-09:10 | NO.79 Analysis of Vehicle Behavior at Intersections in Residential Areas Using Probe Data and 3D Point Cloud Data <i>Ko OKUBO, Kojiro MATSUO and Nao SUGIKI</i> |
| 09:10-09:30 | NO.80 An urban land use identification model based on POI data: BERT classification algorithm <i>Xiaoyan MI, Yantianxiang CHEN, Zhao WANG, Fandi YU and Yuqing HE</i> |
| 09:30-09:50 | NO.81 Subdividing District Based on Past Use Types of Lots in a Castle Town for Landscape Guidelines <i>Daiki GOTO, Yuka HIMENO, Lim SUNGJUN, Chihiro KIYOKAWA</i> |
| 09:50-10:10 | NO.82 Research on urban flood resilience and urban land use change simulation based on the 'function-time' curve - a case study of Tokushima, Japan <i>Qian Zhang, Kojiro Watanabe, Min Chen</i> |

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| 10:10-10:30 | Coffee Break |
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Session 18: Sustainable Renovation Chairman: Prof. Mukti Ali

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| 10:30-10:50 | NO.83 Evaluation of Campus Space Renovation for the Establishment of a Collegiate System in China <i>Zhihai ZHU, Takeru SAKAI and Dongki HONG</i> |
| 10:50-11:10 | NO.84 Development Control and the Challenge of TOD Development at the Historical Site of Jakarta's Old City <i>Sugiyantoro, Nilam MAR'ATUSHOLIHAH</i> |
| 11:10-11:30 | NO.85 Evaluation Model of Low Carbon City Development in China : Carbon Neutral Perspective <i>WANG Chao, ZHANG He, DU Mengge and DONG Hongjie</i> |
| 11:30-11:50 | NO.86 Developing Quality of Business (QOB) Evaluation Model for Air-front Smart Cities <i>Mustafa MUTAHARI, Nao SUGIKI, Yoshitsugu HAYASHI, Tsuyoshi TAKANO, Hiroyoshi MORITA, and Kojiro MATSUO</i> |
| 11:50-12:10 | NO.87 Research on digital appropriate generation design of new dwellings in Huizhou area <i>Qiang WANG, Quan YUAN, Zao LI, Yulu CHEN, Han ZHOU, Xinyu MA, Zi YE and Xiao GUO</i> |

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| 12:10-13:30 | Lunch Break |
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Field Tour
Mon, 13 Jan. 2025, 13:30~18:00
Tour buses depart from Fukuoka International Congress Center
Excursion Site: Kyushu University Ito Campus, Futamigaura of Meotoiwa, Seaside Momochi

Farewell Party
Mon, 13 Jan. 2025, 18:30~20:30
1F Restaurant, Fukuoka International Congress Center

AURG 2025

THE 14th INTERNATIONAL SYMPOSIUM ON CITY PLANNING AND ENVIRONMENTAL MANAGEMENT IN ASIAN COUNTRIES

2025
Jan. 11-13

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