

Proceedings of International Symposium on City Planning 2014

Prospect of Planning for Megacity Region

November, 6th-8th 2014 Hanoi, Vietnam

Contents

•Oral Presentation

Session 1: Socio-economical Planning and Development

A Study on the Planning Factors and Residents Satisfaction of Urban Regeneration in Medium Cities
Ahn Jung-Geun, Jeong Hyun-Chang, Lee, Jae-Hee
The Informal area Management in Slum Settlement: Case study in Cikini Kramat area, Jakarta, Indonesia
Joko Adianto, Akiko Okabe & Evawani Ellisa
Knowledge-intensive manufacturing-based Global city Formation: The case of Suzhou, China
Hyung Min Kim
Depopulating Mega-city and Urban Problems of Metropolitan Fringe:
A Case Study of Iga City, Mie Prefecture, Japan
Fumihiko Seta
Gender Wage Differentials in Knowledge-Based Industry in the Capital Region of Korea
Chanyong Kim, Up Lim & So Hyeon Lee
An Empirical Analysis on International Dynamic Co-movement and Spillover Effect of Real Estate Market:
Focusing on the Housing Prices
Peng WANG & Myounggu KANG
A Study on Patterns of Internal Migrations in Japan From the Viewpoint of Super Long-run
Changes of Industrial Structures
Ryo Fukuda, Fumihiko Seta and Tetsuo Kidokoro
A Synthetic Analysis of Biophysical Vulnerability and Social Vulnerability:
A Case Study of Taitung County, Taiwan
Yung-Jaan Lee, Chuan-Ming Tung, Ching-Yi Wu, Piin-Rong Lee, Chiao-Chi Chen
A Study on Restructuring of Traditional Market Functions for Revitalization of Small Towns
Lee Tae-gon, Park Eun-A & Ahn Jae-rak
The Perception of Identity through the street Nomenclature of Nairobi CBD
Melissa Wanjiru & Matsubara Kosuke
An Analysis of the Relationship between the Pedestrian Environments and the Fear of Crime
in Lower-Density Housing Areas
Gi-Ho Sung, Tae-Hyun Kim, Jea-Sun Lee & Hong-Kyu Kim
The Effects of Special Districts for Urban Regeneration aiming at Sustainable Growth of Matured Megacity
Regions in Japan
Tomoki Kitazaki & Tomokazu Arita
The Association between the Built Environment and Social Capital in Seoul, Korea
Sugie Lee, Chi-Sun Yoo, Jae-Hyun Ha & Jee-Min Seo

School Travel Companions and Peer Relationships of Children

Jen-Jia Lin, Chung-Ting Cheng

The Effect of Public Housing Supply on the Private Housing Supply

Kim Ho Kee

Metropolitan Region in a Dynamic Economic Large- National / Regional Development Morphology largest City in Vietnam

Do Tu Lan

Session 2: Spatial Organization of the Territory

The Necessity of Transforming from Traditional Dictating Planning to Strategic Structure Planning
Pham Thi Hue Linh
Employment Distribution Change and Migration in Seoul Metropolitan Area
Jin-Yoo Kim
Methodological Considerations of Regional Planning by a Unit in Rural Areas
-through a Case Study in Underpopulated Regions, Gokayama in Japan
Tomoko Mori
Segmentation of Retail Markets in Seoul:
Distribution of Specialized and Brand Shops and Market Volatility and Growth
Lee Jeong Ran & Choi Mack Joong
Logical Structure of Explaining the Nature of City Planning: A Theoretical Speculation
Shun-ichi J. Watanabe
A Study on the Spatial Distribution Features of Single Elderly Households in Seoul by Life Cycle:
focused on Seoul metropolitan area
Yoo Yejin, Kim Kabsung & Han Jihye
Relation between Mixed Land use and Living Environment:
Deference of Evaluation by Degree of Mixed use and Different History
Takahiro Suezawa, Tatsuya Kishimoto & Yoko Hatori
Do more Educated Workers Migrate more?
Ye Seul Choi, Up Lim & Minyoung Kim
A System to Explore Alternative Plans for Demolition of Historic Buildings
-The case of the Demolition Delay Ordinance of Cambridge, MA, U.S
Nao Harashima & Atsuyuki Okazaki
Needs and Demands for Zero-Energy Housing District: A Case of Korean Households
Jun-Hyung Kim, Sang-Young Lee & Dong-Ha Park
Transition of Buildings and Process of Area Regeneration in "Kagai"
—A Case Study of Naka-cho in Hachioji City, Tokyo
Aritomo Kubo & Atsuyuki Okazaki

Modeling of Ventilation Paths for Urban Block Scale by Spatial Analysis

Chun-Ming Hsieh,Hsin-ChiaoHuang,Feng-Tyan Lin

Urban Spatial Specialization: A Case in Taiwan's Service Industry

Tzen-Ying Jenny Ling , Kuei Mei Huang

Comparative Analysis of Measures for Land use Mix

Sunyong Eom & Tsutomu Suzuki

Urban Spatial Segregation and Construction of Ethnic Boundaries in a border city between Thailand and Myanmar

Yuseok Han & Jeewook Hwang

Spatial Network Analysis of the Creative Industry in Osaka City Using the Social Network Analysis with Big Data

Junghoon LEE & Atsuko KAGA

Session 3: Transportation and Technical Infrastructure

The Application of the Cost Distance Measures in the Process of Designating the Zone Boundaries in the Case of Korean DIF zoning Sung Hoon Kim, Seok Hoon Jeon & Nae-Young Choei Service Delivered on New Transit System from Users Viewpoint (case study: TransJogja and TransMusi-Indonesia) Aleksander Purba, Fumihiko Nakamura & Shinji Tanaka Size, Shape and Dispersion: Urban form Evolution in Saigon River Basin and its impacts on Hydrologic Performance from 1990 to 2010 (13A) Dung Do NGUYEN Pedestrian Walking Satisfaction and Street-level Environmental Factors in Seoul, Korea Yoon Sung Lee, Sugie Lee & Changkwan Lee Study on the Introduction of LRT System in Asian Cities Yuichi Aida, Masaharu Oosawa & Takayuki Kishii Compromising the Conflicting Views on Zoning as Anti-Congestion Policies Hyok-Joo Rhee Measurement and Evaluation of Mobility for Daily Travel by Residents in Housing Development in Suburban Area Using Capability Approach Kazuki Terayama & Michiyasu Odani Identifying Thresholds of Built Environment Characteristics for Walkable Communities: Empirical evidences from Seoul Metropolitan Area Hyunjoo Eom & Gi-Hyoug Cho Route Choice Associated with the Provision of Public Transportation Information Masatoshi Kisaka, Yoongho Ahn & Horoshi Tsukaguchi

A Study of Indicative Methodology That Examines Regional Equity

in the Distribution of Public Transportation Routes

Seongman Jang & Seung-Il Lee

Exploring the Evaluation Indicators for Developing Green Infrastructure in Rural Areas

Jing Chzi Hsieh, Ren-Ji Lai

Time-series Monitoring of Area Characteristics Using Mass Person Flow Data by Mobile phone GPS Data

-Case Study in Greater Tokyo Region

Yuki Akiyama & Ryosuke Shibasaki

Monorails in the Development of the Public Transport System in Urban Regional Construction Planning in Vietnam

Bạch Ngọc Tùng

The Influence of TOD-5D Characteristics on MRT Usage: A Case Study of Taipei City

Liu, Jen Hua, Pai, Jen Te

Technical Infrastructure in Large Metropolitan Areas: Challenge in the Development Process Nguyen Hong Tien

Session 4: Environment, Sustainable Development and Resource Management

Land Use Change and Flood Damage - Case Study of 2011 Thailand Flood Charoenbundit Parinya & Choi Mack Joong From Regional Planning towards Sustainable Development -A Case Study from the Asian perspective: Ho Chi Minh City Region, Viet Nam NGO Quang Hung Structure and Achievements of a Program to Assist Formation of Intermediary Organizations on Historic Preservation: A Case of the Statewide and Local Partners Program in the U.S Ryusuke Saito, Saisuke Matsui & Atsuyuki Okazaki The Impacts of Disaster Prevention and Safety Plan Quality on Disaster Losses in Local Municipalities, Korea Dong Keun Yoon, Junsung Park & Jung Eun Kang Present Development of Planning Education in Taiwan -Case Analysis of the Urban Redevelopment Industry in Taipei Hong-Wei Hsiao, Chien-Yuan Lin, Jen-TePai How to Reserve the Green Space in the Megacity Region Based on the Greenery Area System Ying Zhao & Noriko Akita Environmental Justice and Flood Hazards: National Capital Area vs. Local Areas in South Korea Park Han-nah & Song Jae-min Study on Change in Scenic Views near High-rise Buildings: Simulation Analyses of the Scenic Views from the Primary Scenic Viewpoints in Kobe City, Japan Naoko Kuriyama, Koichi Miwa & Shingo Suekane

An Empirical Analysis on the Influence of the Subway Ridership on Energy Consumption of Buildings in the Subway Station Areas

Kim Kijung, An Youngsoo & Go Joo Yeon Conferring the Sustainable Develop Model of Cultural Life Circuit through the Daily Life Path Cognition Analysis—A Case Study of Taipei City, Taiwan B.C. Wang, M.P.Chen Relationship between Demographic Change and Consumption of Residential Building Energy Jaeone Jung & Changhyo Yi Impact Assessment of Urbanization on the Urban Thermal and Wind Environments Masato Miyata, Kaede Watanabe and Satoru Iizuka Residential Distance and Rice Terrace Restoration: A Perspective of Environmental Communication Li-Pei Peng, Mei-Yin Kuan Urban Energy Systems and Their Increasing Importance in Global Long-term Energy Strategies Miho Kamei Two Historical Eco-cosmologies - Ferrara, Italia and Thua Thien Hue, Vietnam -A study on Protection Tools for World Heritage Cultural Sites with Strong Ecological Alba Victoria Zamarbide Urdaniz Performance of Practices for Linked Parks on New Sub-Center Development Axis in Past Decade in Kyoto Southern District Tomohiro Kinoshita, Tohru Morioka & Taira Ozaki Integration of Climate Change Adaptation into Urban and Coastal Zone Planning in Vietnam: **Implications for Developing Countries**

Luu Duc Cuong

Session 5: Regional Planning Education and Planning Practice

A Study on the Change in Determining Factors of Job-Housing Balancing Choice in the Seoul Metropolitan Area

Choi Seungbee, Kim Kabsung, Jung MeenChel & Kim Sungwhan

A Study on Living Environment in Flood-prone Village, the Traditional Urban Area of Hue, Vietnam:

A Case of Kim Long Ward, Periphery of the Hue-Citadel

Takahiro Izumi, Naoaki Furukawa & Shigeru Satoh

Short-Term Training-Solutions to Capacity Building for Local Government and Residential Communities During Urban Development Control

Đo Hau

A Comparative Analysis on the Difference in Perception of Living Street Planning Elements among Resident Groups using Post-Occupancy Evaluation

Seong-Won Choi, Hee-Kang Shin, Ji-Won Moon & Hong-Kyu Kim

Session 6: Managing Regional Development

Actual Situation and Its problems of Post-disaster Reconstruction Process in "shrinking cities": Emergence of Ultra-low-densely Used Land in the Whole Region *Michio Ubaura* Privatization Policy of Land and Housing in North Korea after Unification

Hyun-Soo Kim, Mack-Joong CHOI, Yeasung Kim & Eun Sook Park

Evaluation of Good Governance of Regeneration Project in Pakistan
-Case Study of Walled City Gegeneration Project in Lahore
Sarmad Hashmi & Mihoko Matsuyuki
Property Market and the Development of Vietnamese Metropolis:
Spatial Distribution Analysis of Housing Projects in Ho Chi Minh City
Pham Thai Son
The Application of Multi-objective Optimization Model to Urban Land Development and Management
Wann-Ming Wey
'Build Back Better' after Hurricane Yolanda:
Initial Planning Dialogue on Land Use and Risk after Hurricane of November 2013
Kanako Iuchi
Impacts of Transportation Infrastructure on the Growth of Bangkok Mega-city Region
Janekan Janekankit & Myungje Woo
Variation of the Elderly Population without Public Transportation Access
-the Case Study on the Greater Tokyo region
Toshinori Ariga & Keisuke Matsuhashi
Community-based Planning for Disaster Preparedness:
A Case Study after the East Bay Hills Firestorm, California
Chiho Ochiai
The Comparative Measurements of the Residential Distribution by the Genetic Algorithm Model:
The Case of Goyang City of Korea
Sung Hoon Kim, Ki-Beom Huh & Nae-Young Choi
Evolutional Housing in the Last Years of French Algiers
Kosuke Matsubara
Mainstreaming Climate Change Considerations into Regional Development Planning in Viet Nam
Nguyễn Quang
Rehabilitation Methods and Revitalization Strategies in the Old Inner-City Areas of Rapid Growth Cities in
Asia – A Comparison of Four Cities : Penang, Hanoi, Shanghai, and Tokyo
Teh Yee Sing & Sasaki Yoh
Exploring the Determinants of Leisure Activity for Baby Boomer in Developing Country—Case of the SMA
Jang, Yoon-Jeung
Tsunami Refuge Facility Choice Model for Visitors in Beach
Takashi Yamada, Kazunori Akiyama & Tatsuya Kishimoto
A Study on Characteristics of Underutilized and Unutilized Land in City Center of Provincial City
—The Case Study in the City Center of Ishinomaki after the Disaster
Tomohiro KARIYA & Michio UBAURA

Poster Presentation

Urban Form for Sustainable Transportation
Kim KyungTae & Song Jae Min
Examining morphological variation of green space effects for Urban Heat Island mitigation:
Using Landsat 8 and MODIS data of Ulsan, Korea
Jong-Hwa Park & Gi Hyok Cho
Assessment of Challenge in Urban Conservation using FAHP Method
—A Case of the Wenming Historic Block in Kunming, China
Chen Yingying & Hwang Jeewook
Analysis on Pedestrian Volume in Seoul Central Area
Daeyoung Kwon & Brian H.S. Kim
Kote-e Plaster Art in Ajimu, Oita, Japan: The Difference between Meiji Kote-e and Heisei Kote-e Yoshihiro KAMETANI
Planning Tasks of Station Squares in Metropolitan Areas in Japan
-Based on transition and actual conditions of the planning standard for station squares in Japan
Shoichi KOTAKI, Junichi TAKAYAMA, Shoichiro NAKAYAMA & Masahiro RACHI
Factors Affecting the Decision to Preserve Building Remains at an Earthquake Site:
A Case Study of the Submerged Houses in Kogomo Community, Japan
Ryoga ISHIHARA
Research on the Differences of Pedestrians' Stay between Ground Space and Underground Space
—Taking the Examples of Umeda District of Osaka
Yu Wei
Evaluation of Tokyo's City Planning in 1973-2000: Relationship of Urban Space and Floor Area Ratio That
Focuses on Original Land Use of Tokyo with Zoning Regulation
Junji AIKI & Shin AIBA
Study on the Probability of Tokyo Area Residents to Participate in Green Space Conservation Activities
Based on Willingness to Work
Yui TAKASE, Katsunori FURUYA & Shoko SAKURABA
A Case Report of Improve Bus Networks of the Kyoto City as a Means of Transportation for a Large City
—A Report on the Possibility of Restructuring Bus Networks Based on Scientific Analyses
Keisuke SHIOJI
Study on the Effectiveness of Educational Activities Using Public Transit to Ease Urban Traffic Problems
Nobu TSUCHIZAKI, Nobuhiko MATSUMURA & Atsuko KAGA
Population Distributions of Mature Mega Regions: A Case Study of Tokyo and Osaka, Japan
Hiroki Ogawa & Masuro Urayama
A Study on the Appropriate Level of Development Density on Large-Scale Urban Development in Seoul,
Korea —Focusing on the Development of Railway Stations and Surrounding Areas

ByoungJin Kim, Satoshi Toi, Chiaki Matsunaga & Baatarzorig Mandkhai

Proposal of Board Game to Collect and Share the Information about Lifestyle Preferences of Residents —Experiments of "Lifestyle Reversi" Game at Mito City in Japan

Ryo SATO, Sae KONDO, Hiroki ITO & Mark Anthony M. MORALES

The Issue and New Movement of Urban Planning System in Tokyo Metropolitan Area

Jangshik Yoon & Minoru Takamizawa

A Public-Private Partnership Model for Urban Development —Miyako City's "Smart Community" Project Masao Yoshimura

The Research on the Japanese Governmental Program to Dispatch Urban Young People to Rural Areas in Terms of Stability

Kunihiko Matsumoto, Naoto Shinohara & Masanori Sawaki

A study on Commuters' Travel Intention in Motorcycle-based Context:

A Case of Ho Chi Minh City, Vietnam

Le Quan HOANG & Toshiyuki OKAMURA

Comparison of Observed Trip Patterns: Relation of Number of Trips and Purposes of Trips in Tokyo and in Matsuyama City Regional Area

Hiroshi Ohba & Tatsuya Kishimoto

Tsunami Refuge Facility Choice Model for Residents in Coast Area Kazunori AKIYAMA, Takashi YAMADA & Tatsuya KISHIMOTO

Alleys as a Part of Living Space: A Case Study of Zoshigaya Hanako SENSUI & Namiko MINAI

An Investigation of the Actual Conditions of a Chinese Shopping District

—A Case of Yuelu Campus City, Changsha

Koki Ono & Kosuke Matsubara

Community Regeneration through Reconstitution of Place Memory:

A Case Study of Tateyama Ecomuseum in Japan

Ilji CHEONG

Study of Estimate Human Demographic Attributes Using Person Flow Datasets and Apply It for GPS Log Data

Takahiro NISHIMURA, Yuki AKIYAMA, Ryosuke SHIBASAKI & Yoshihide SEKIMOTO

Relation between Mixed Building Use and Living Environment:

Difference of Evaluation by Degree of Mixed Use

Yoko HATORI, Takahiro SUEZAWA & Tatsuya KISHIMOTO

A Simulation Study of Rainwater Infiltration Function of Urban Green Spaces for Pluvial Flood Risk Reduction in Tokyo Metropolitan Area

Hiroaki YAMTO, Akiko IIDA, Seiji HAYASHI & Mikiko ISHIKAWA