PROCEEDINGS

The 10th International Symposium on City Planning and Environmental Management in Asian Countries

Gowa Campus, Hasanuddin University, Makassar

2016
Jan. 9-11
Makassar
INDONESIA
CONTENTS

SESSION 1: URBAN SPACE

1. Shigeyuki Kurose, Ichiro Matsunaga:  
   Establishment of Isovist Calculation Method and Application: Case Study of  
   Relationship between Isovist Field and Generation of Personal Space  
   1

2. Satoko Cho:  
   Commoning of street and self-governance  
   5

3. Slamet Trisutomo:  
   The Power of Waterfront as Public Space: Lessons from Losari, Makassar  
   11

4. Kohei Yamauchi, Shinji Ikaruga, Takeshi Kobayashi:  
   Characteristic of Sculpture Installation by Made-to-Order Method for Urban Design  
   17

SESSION 2: URBAN ANALYSIS

5. Jung-Geun Ahn, Byung-Hwan Kim, Dong-Hwan Kim:  
   A Study on the Urban Development Strategies for the Competitiveness of Small  
   and Medium Cities  
   23

6. Dongki Hong, Takeru Sakai, Prasanna Divigalpitiya, YiRan Hao:  
   The Actual Situations and the Location Factors of the Multiple Dwelling for Single-  
   person Household in Seoul  
   29

7. Jae-Won Shin, Yeong Kim:  
   The Analysis of Local Economic Ripple Effects of Regeneration Project in Jinju  
   Sangpyeong General Industrial Complex  
   35

8. Tae-Heon Moon, Jung-hun Cho, Sang-ho Lee:  
   Agent-based simulation to Identify the Relationship Between Road Networks and  
   Crimes  
   41

9. Alvionirma Pallunan, Ihsan, Isfa Sastrawati:  
   The Influence of Centrifugal Factors On Makassar City Development  
   47

SESSION 3: URBAN STRUCTURE

10. Ananto Yudono, Arifuddin Akil, Ihsan Ihsan, Andi Bachtiar Arief:  
    Some City Planning Wisdoms Since Pre Until Colonial Era in Indonesia  
    53

11. Seiya Tsuji, Shinji Ikaruga, Takeshi Kobayashi:  
    The urban structure and the environmental effect for the Smart City initiative  
    59
12. Marly Valenti Patandianan, Nono S. A. Sumampouw:  
    From Colonial Site to Contemporary Political Tension: Colonial Urban Planning  
    Legacy upon The Formation of Socio-Political Identity in Manado, North Sulawesi

13. Ailu Sun:  
    Discussion about development strategies of traffic planning in mountainous  
    industrial cities of Southwest China

14. Tarek Rahmoun, Maya Hassan:  
    Integrated planning strategy with the Syrian coastal region “Revival of the  
    historical Silk Road”

SESSION 4: RESIDENTIAL ENVIRONMENT (1)

15. Weiyuan Kong, Dachang Yuan, Jingyi Zhang:  
    A Renewal Strategy of Improving the Residential Historic Districts under the View  
    of Film Theory—— A Case Study of the Japanese Concession, Tianjin, China

16. Qianru Li, Dachang Yuan, Miaomiao Liu:  
    The Settlement Space of Ant Tribe—a Case Study of the Spontaneously Inhabited  
    Area, Beijing, China

17. Meidwinna Vania Michiani, Jun-ichiro Asano:  
    A Study on the Influence of Inhabitant Characteristics on Physical Change of  
    Banjarese House -Case Study in Kuin Utara Settlement, Banjarmasin, Indonesia

18. Ely Nurhidayati:  
    Transformation of Cultural Living from River to Mainland on Buginese in Pontianak

SESSION 5: RESIDENTIAL ENVIRONMENT (2)

19. Yanyan Gao, Zao Li:  
    A Space Syntax-based Research on Residential District’s Internal Accessibility

20. Mimi Ariffin, Jun-ichiro Asano:  
    Concept for Slum Handling Along Riverbanks of Tallo River, Tallo District City of  
    Makassar

21. Arifuddin:  
    Portrait of the Bugis Community Lifestyle in Makassar City and its Influence on  
    their Housing Order

22. Xiaofang Wei, Wanmin Zhao:  
    Investigation & Countermeasure on Human Settlements Quality of Residential  
    Quarter of Immigration in ‘Post Three Gorges Era’
23. Avi Martina, Gagoek Hardiman, Bambang Setioko, Suzanna Ratih Sari:  
The Transformation of Spatial Function in “Magersari” Housing Inside Keraton Kasunanan Surakarta Case Study: Courtier Residence, the Maker of Keris Sheath and Poet Palace Residence

SESSION 6: LAND USE

24. Shirly Wunas, Venny Veronica Natalia:  
Urban Growth Pattern in Mega-urban (Case Study: Mamminasata-Indonesia Clustered Region)

25. Takeshi Kobayashi, Shinji Ikaruga:  
Occurrence Factors of a Large Vacant Lot in a Central District and its Utilization by Local Governments

26. Ibrahim Tohar, Gagoek Hardiman, Suzanna Ratih Sari:  
Visual Expression in Architectural Acculturation Case Study: Keraton Yogyakarta

27. Pramudita F. Rahayu, Ananto Yudono, Ihsan:  
The Influence Factors of Land Price In Makassar City (Case Study: West Part of Makassar City)

28. Sheng Dang, Dachang Yuan:  
Autonomous Rural Land Development as a Measure of Urban Sprawl Control: Under the Reform of Chinese Land Transfer Market

SESSION 7: LANDSCAPE DESIGN (1)

29. Guanghe Zhou, Fei Fu, Yingzi Zhang:  
The urban structure and the environmental effect for the Smart City initiative

30. Akira Ushijima, Shota Nakayama, Mahito Nakazono:  
Study on the Maintenance and Management System of Tanada In Mountainous Area -Case Study on Okuno Settlement in Yamaguchi Prefecture-

31. Lee Tae gon, Sun Shu zi, Ahn Jae rak:  
A Proposal on the Landscape Management around the Jin-ju Castle : On the View Point of Listing and Managing Guidelines of World Heritage

32. Miao Niu, Yuka Himeno, Subaru Nomoto, Marika Odo:  
A Study on Preservation of Cultural Landscape by the Collaboration of Residents and a Local Government
SESSION 8: LANDSCAPE DESIGN (2)

33. Dong Zhu, Dachang Yuan:
The Application of Form-based Code on the Building of the Natural Landscape Features in Small and Medium-sized Cities—A Case Study of Overall Urban Design of Qianxi

34. Ayaka Iwamoto, Shinji Ikaruga, Takeshi Kobayashi:
Visual Feature of “Picturesque Landscape” in The Coast of Seto Inland Sea

35. Yiran Hao, Takeru Sakai, Prasanna Divigalpitiya, Dongki Hong:
Classification of The Structure of Peninsula Cities

36. Rahma Hiromi, Takeru Sakai, Takaumi Arima, Prasanna Divigalpitiya, Kohei Takahashi:
The Relationship between Landscape and Business Location in Itoshima Peninsula

SESSION 9: URBAN SUSTAINABILITY

37. Miaomiao Liu, Dachang Yuan, Qianru Li:
The Eco-community Planning Strategy Based on Modular Design of Ecological Blocks

38. Livian Teddy, Gagoek Hardiman, Nuroji:
Behavior Identification of Subtractive Transformation in Building Design Process against Earthquakes

39. Kazuyuki Toya, Shinji Ikaruga, Takeshi Kobayashi:
Relationship between Emissions of Carbon Dioxide and Area Division System in Regional Urban Area

40. Isfa Sastrawati, Ihsan, Bambang Heryanto, Nini Apriani:
Fuel Consumption in Waste Transportation Based on Routes in Makassar

41. Jeongwoo Park, Duhyun Yim, Kwangwoo Nam, Youn-Taik Leem:
Clarifying the Concept of Intelligent Service Facilities for Ubiquitous Cities

SESSION 10: URBAN ACTIVITIES

42. Andini Radisya Pratiwia , Shichen Zhao:
Study on Static and Dynamic Activities in the Period of Cultural Festival
43. Kazuki Karashima, Akira Ohgai:
   An Analysis of the Conditions for Establishing a Wide Area through Cooperation
   among Municipalities: A Case Study of the Tōkai and Chūgoku Regions in Japan

44. Syahriana Syam:
   Community Attachment to Public Space Vernakuler On Ethnic Settlement
   Case Study of Public Space Kampung Bajo Kab.Bone South Sulawesi

45. Idawarni Asmal, Junichiro Asano:
   Theoretical Overview The Akebono Cho Neighborhood Garden As a Communal
   Space in Wakamatsu Toyohashi Japan

46. Sun Xia, Li Zao, Li Jin, Ye Maosheng:
   Investigation on Pupils' Routes after School and the Service Radius of the School
   District using GPS

SESSION 11: LANDSCAPE ANALYSIS

47. Yanxia Li, Hequn Min, Xing Shi:
   30 Years of Transformation of Urban Surfaces and Heat Islands in Nanjing

48. Shuajun Zhang, Fei Fu, Guanghe Zhou:
   Chengdu agricultural water cultural heritage recreation Regeneration research

49. Herry Santosa, Shinji Ikaruga, Takeshi Kobayashi:
   Utilization of 3D Interactive Simulation System (3DISS) for Enhancing Visual
   Comfort of Pedestrian Space in Commercial Street, Malang, Indonesia

50. Yonghan Jung, Donggyu Kim, Hwanhee Yoo:
   The Monitoring of the Red Tides Occurrence in the Southern Coast of Korea by
   Using the Communication, Ocean, and Meteorological Satellite (COMS)

51. Yu Shibata:
   A Study on the Issues of Conservation of Farmland in Urbanization Promotion
   Area of Local City : Case Study in Akashi City, Japan

SESSION 12: CITIZEN PARTICIPATION

52. Hiroyuki Yoshioka, Masashi Sogabe, Miki Maruyama, Akira Hasegawa:
   Study of town making using features of the current situation - Part1
   A study on environmental improvement in low-class urban areas outside Japan
53. Akira Hasegawa, Hiroyuki Yoshioka, Masashi Sogabe, Miki Maruyama: Study of town making using features of the current situation - Part 2
   The current situation in Ahmedabad, India, and the possibilities for urban development

54. Miki Maruyama, Masashi Sogabe, Hiroyuki Yoshioka, Akira Hasegawa: Study of town making using features of the present state Part 3
   The present state of Busan, Korea and its potential of urban development

55. Jae-Hee Lee, Hyun-Su Jung, Oh-Rock Jung: A Way to Create the Settlement Environment in Small and Medium-Sized Cities according to Community Activities

56. Ariel Shepherd, Yantri Dewi: Methodology of Community-led Socio-spatial Data Collection for Urban Poverty Reduction

SESSION 13: SUPPORT SYSTEM

57. Qiang Wang, Zao Li, Xiao Yu: Evacuation Modes in Front of the Primary School and Optimization Experiment Analysis


59. Mao Feng: Analysis and application of data provided by the smart tourism system – a case study of Ciqikou in Chongqing

60. Ihsan, Isfa Sastrawati, Bambang Heryanto, Nini Apriani: Simulation modeling for Optimal Waste Transportation in Makassar

SESSION 14: URBAN DISASTER


62. Gyuhan Bae, Hwanhee Yoo: An Analysis on the Spatial and Temporal Characteristics in the Fire Accident in Jinju, Korea
63. Bambang Heryanto, Isfa Sastrawati, Dewa Sagita Alfadin Nur:  
Decentralization of Fire Houses in Makassar  

64. Kojiro Watanabe, Hideo Yamanaka, Akio Kondo:  
Urban Growth Simulation Considering Tsunami Disaster Risk in Japanese  
Provincial City  

65. Qing Liu, Dachang Yuan:  
Low Impact Development Based Sponge City Theory and Its Application Practice  
— a Case Study of the Guangming New District, Shenzhen, China  

SESSION 15: URBAN FACILITIES  

66. Sachiko Mishima, Nagisa Ishibashi, Shoken Koh, Mahito Nakazono, Sachiko Yamamoto:  
A Study on the Location Characteristic and Disparity of Day Care Facilities for the  
Elderly in Yamaguchi Prefecture  

67. Sachiko Yamamoto, Kyohei Ogawa:  
Entry Process and Management Form into Reuse of Closed Schools by  
Private Organizations in Rural Areas -Case study on Nakagawa-machi, Tochigi  
Prefecture-  

68. Lei Jing, Dachang Yuan, Han Xue:  
Research on the Location of Budget Hotels Based on Open Data  

69. Taehong Won, Misong Kim, Hwanhee Yoo:  
An Analysis on the Accessibility of Primary Medical Facilities in Jinju, Korea  

70. Saori Ohashi, Sachiko Mishima, Syoken Koh, Mahito Nakazono, Sachiko Yamamoto:  
A Study on the supply method of day care facilities in the islands — The case  
study of Suo Oshima-cho in Yamaguchi Prefecture —
ORGANIZING COMMITTEE

Asian Urban Research Group

INTERNATIONAL PROGRAM COMMITTEE

Advisor

Satoshi Hagishima (Professor Emeritus, Kyushu University, Japan)

Chairman

Akira Ohgai (Professor, Toyohashi University of Technology, Japan)

Members

Atsushi Deguchi (Professor, The University of Tokyo, Japan)
Shinji Ikaruga (Professor, Yamaguchi University, Japan)
June-Young Kim (Professor, Seokyeong University, Korea)
Shigeyuki Kurose (Professor, Fukuoka University, Japan)
Tae-Heon Moon (Professor, Gyeongsang National University, Korea)
Takeru Sakai (Professor, Kyushu University, Japan)
Seiji Sato (Professor, Oita University, Japan)
Tai-Chee Wong (Professor, Nanyang Technological University, Singapore)
Ananto Yudono (Professor, Hasanuddin University, Indonesia)
Qi Zhang (Professor, Tianjin University, China)
Christopher Silver (Professor, University of Florida, USA)
Lau, Stephen S. Y. (Professor, The University of Hong Kong, China)
Shichen Zhao (Associate Professor, Kyusyu University, Japan)
International Executive Committee

Chairman

Ananto Yudono (Professor, Hasanuddin University, Indonesia)

Members

Achmad Djunaedi (Professor, Gadjah Mada University, Indonesia)
Gagoek Hardiman (Professor, Diponegoro University, Indonesia)
Murni Rachmawati (Doctor, Sepuluh November Surabaya Institute of Technology, Indonesia)
Wilmar Salim (Doctor, Bandung Institute of Technology, Indonesia)
Ihsan (Doctor, Hasanuddin University, Indonesia)
Kazuki Karashima (Assistant Professor, Toyohashi University of Technology, Japan)