

# ISAIA 2018

## The 12th International Symposium on Architectural Interchanges in Asia

October 23(Tue)~26(Fri), 2018  
Pyeongchang Alpensia, Gangwon, Korea

# ISAIA 2018 Excellent Research Award\_Oral Presentation

Session No	Paper
H1-5	<b>Colonial Architecture in Timor-Leste as Tourism Resources</b> Eunbee Kim, Seong-Lyong Ryoo / Korea University, Korea
H2-3	<b>Spatial Structure of Historical Capital Cities of Burma (Amarapura and Mandalay) in Use of Traditional Measurement Units</b> Koji Yamada, Kosuke Matsubara, Akio Odake / Tamano Consultants Co., Ltd., Japan
H3-2	<b>The Times of 'Dongyang Choidae' : Trends in the National Facilities during the 1980s in Korea</b> Nayon Sung, Bong Hee Jeon / Seoul National University, Korea
H4-4	<b>The Evolution: From Traditional Courtyard to Modern Atrium Space in Dashilar Area in Beijing</b> Yi Qian, Ziwei Qin / North China University of Technology, China
H5-10	<b>Traditional Public Buildings Found in Banjar System of Balinese Villages</b> So Young Kim, Seong-Lyong Ryoo / Korea University, Korea
P1-3	<b>Occurrence Conditions of 'Merged Temples' in Varanasi: Hindu Temples Covered or Wrapped with Surrounding Buildings</b> Kiwamu Yanagisawa, Ryosuke Ohara, Shota Yamamoto / Kyoto University, Japan
P2-5	<b>Study on Change and Evaluation of Spatial Elements in Facade Renovated Buildings</b> Naoya Goto, Hiroki Suzuki / Naoya Goto Architects Office, Japan
P3-4	<b>Characteristics of Use Composition of Day care Facilities for the Elderly by Plan Configuration and Corner Allocation</b> Nodoka Shiomi, Sachiko Mishima, Mahito Nakazono, Shoken Koh, Sachiko Yamamoto / Yamaguchi University, Japan
P4-2	<b>Research on Optimizing Strategy of Gymnasium Interface Morphology Based on CFD Simulation</b> Ligang Shi, Yuechao Cao, Xu Du / Harbin Institute of Technology, China
P5-11	<b>Effect of Housing Transformation on Population Structure in Company Housing Area -Case Studies in Four Areas of Omuta City-</b> Sota Adachi, Toshio Otsuki, Naohiro Taniguchi, Atsuko Yasutake, Taisaku Hashimoto / The University of Tokyo, Japan
P6-9	<b>Methodology for Acquiring Architectural Certifications of Modular Housing - Focused on Ga-Yang Field-Test Case Study</b> Yura Yun, Sang-Woo Cho, Sung-Woo Kim, Kyung-Hoi Lee / Korea Research Institute of Eco-Environmental Architecture, Korea
P7-8	<b>Behaviour Analysis of a School as a tool for Design Planning</b> Gabriela Yoshitani da Luz, Eitaro Kobayashi, Kaname Yanagisawa / Chiba University, Japan
P8-10	<b>Medical Community on the Railway - Research on Pneumoconiosis Mobile Medical Community of Mining Area</b> Hongda Liu, Shanshan Zhang, Yuzhou Ma, Yue Wu / Harbin Institute of Technology, China
P9	<b>Balance Between Collision and Integration, Transformation Strategies of Urban Abandoned Industrial Area with Translation of Industrial Memory</b> Fang Zhang, Xi Zhou / Suzhou University of Science and Technology, China
P10-8	<b>KISEKAE HOUSE Communication Generation with Environment and Neighbors</b> Yo Uehara, Tomoko Uno, Junko Morimoto, Shushi Sugiura, Keisuke Inomata, Aya Yamaguchi, Shigeyuki Okazaki / Mukogawa Women's University, Japan

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Session No	Paper
P11-1	<b>A Study on School Design and Planning in Hampshire, UK</b> Kaname Yanagisawa, Eitarao Kobayashi / Chiba University, Japan
M1-4	<b>Development of Sustainable Eco-Friendly Cement Using Scallop Shell as a Limestone Substitute</b> Sungwun Her, Taehoon Park, Dongcheon Park, Sungchul Bae / Hanyang University, Korea
CM1-6	<b>Safety Accident and Cause Classification Focusing on Modular Construction Process</b> Gilsu Jeong, Hyun-soo Lee, Moonseo Park, Hosang Hyun / Seoul National University, Korea
MU1-2	<b>A Study on the Plan Generating Deep learning Model Using DCGANs</b> Seunggyun Han, Hyunyo Choi, Donyun Kim / Sungkyunkwan University, Korea
MU2-3	<b>Comparison of Preference and Perceived Local Identity of House Style by Architects and Laypeople</b> Piyarat Nanta / King Mongkut Institute of Technology Ladkrabang, Thailand
S1-1	<b>Seismic Response of Base-Isolated Buildings Considering Earthquake-Induced Structural Collision with Retaining Walls</b> Dongha Kim, Yuji Miyamoto / Osaka University, Japan
S2-6	<b>Development of Design Equations for the Local buckling Strength on Octagonal Tubular Section Members</b> Tomoki Kobashi, Kikuo Ikarashi, Nobutaka Shimizu / Nippon Steel & Sumitomo Metal, Japan
S3-8	<b>Shear Performance of RC Beam with Integrated Shear Reinforcement</b> Donghee Son, Changsik Choi, Namkyoung Min, Dongwoo Lee / Hanyang University, Korea
U1-6	<b>Relationship Between Contemporary Urban Sequence and Gase Distribution - Case Study of Eye-tracking Experiment in Shinjuku Area</b> Midori Oshima, Yoshiyuki Kawazoe, Yurika Yokoyama / The University of Tokyo, Japan
U2-4	<b>Relationship between Public Residential Complexes and Surrounding Areas PartII Current Use of Facilities by Residents</b> Tomo Gonoi, Takaaki Koga, Asuka Yamada, Takumi Fujihara / Utsunomiya University, Japan
U3-9	<b>The Spatial Configuration and Use Patterns of Pedestrian Alleys on Covered Watercourses in Tokyo</b> Naoki Saito, Yuichi Tatsumi, Jorge Almazan / Keio University, Japan
U4-5	<b>The Research on Use Preference of Urban Parks of Cold Cities in the Winter-Taking Shenyang Park as an Example</b> Wan Wun, Lingling Zhang, Pengyu Shan / Harbin Institute of Technology, China
U5-10	<b>Preservation of and Disaster Prevention for Alley Spaces in Kagurazaka District, Tokyo: Analysis of Dead End Street Forms and Accessibility of Surrounding Buildings</b> Yuki Kanamori, Momoyo Gota / Tokyo University of Science, Japan
E1-7	<b>Characteristics of Annual Gas Consumption for Cooking by Family Types in Apartment Units</b> Soojin Lee, Youjeong Kim, Sungim Kim, Hyesun Jin, Hanyoung Lim, Jaehan Lim, Seungyeong Song / Ewha Womans University, Korea
E2-1	<b>Field Investigation on Occupants' Comfort Considering the Effects of Glass Facades in Office Buildings in Southeast Asia</b> Kittiwoot Chaloehtoy, Masayuki Ichinose, Rumiko Sasaki / Tokyo Metropolitan University, Japan

# ISAIA 2018 Excellent Research Award\_Poster Presentation

Session No	Paper
PH1-11	<b>Townscape Evaluation of Oya-stone Buildings in the Urban Area of Utsunomiya City, Tochigi Prefecture, Japan</b> Motosumi Kobayashi, Akio Yasumori / Utsunomiya University, Japan
PP1-6	<b>Performance-based Design of Terminal Space Based on Multi-agent Systems - Take Lanzhou Zhongchuan Airport T3 Terminal as an Example</b> Yizheng Dai, Guangping Qi / Southeast University, China
PM1-7	<b>An Experimental Study of the Permeability Evaluation After Ozone Treatment of Metal Spray Coating</b> Jinho Park, Hanseung Lee / Hanyang University, Korea
PCM1-5	<b>Development of Estimation method for Housing Remodeling Cost through Risk Analysis by Design Elements</b> Jun Kim, Hee-Sung Cha / Ajou University, Korea
PE1-3	<b>Which is More Effective to Mitigate Heat Island, Water Retentive Pavements or Highly Retentive Pavements? - Proposal of an Analysis Method to Calculate Pavement Surface Temperature Considering Rainfall -</b> Shuheji Togashi, Takuya Susuki, Motofumi Marui / Kanazawa Institute of Technology, Japan
PMU1-5	<b>An Exploratory study on BIM-based Fire-response System Framework</b> Suhyun Jung, Heesung Cha / Ajou University, Korea
PS1-5	<b>A Study about Structural Performance of the New Shaped T-stub Type Damage Controlled System</b> Haeyong Park, Sanghoon Oh / Seismic Simulation Test Center at Pusan National University, Korea
PU1-4	<b>Study on the Utilization of Urban Environmental Climate Maps Focusing on the Heat Island Factors – Workshop for Environmentally-conscious Urban Planning in the Kanazawa City Area -</b> Hiromi Otoshi, Kazuya Tsuji, Motofumi Marui / Kanazawa Institute of Technology, Japan

# ISAIA 2018 Excellent Research Award\_Young Architects' Design Session

Session No	Design Title
<b>YADE 10</b>	<b>4th Phase Addition of Tsinghua University Library</b> Mengzhen Han, Zhaoye Guan, Yulong Liu, Xiaoxi Cheng, Yan Wang, Hongmei Yao, Weiwei Jiang Tsinghua University, China
<b>YADE 11</b>	<b>Mu:m Building</b> Young Chul Jang, Sook Hee Chun Wise Architecture, Korea
<b>YADE 19</b>	<b>Tablets Archive + Gallery in Haruna</b> Yosuke Komiyama Kyoto University, Japan
<b>YADE 20</b>	<b>The Architecture wears PVC PIPES-Asan Agricultural Machinery Storage Warehouse-</b> Kuk Hyun Ku Atelier Maroo, Korea
<b>YADE 34</b>	<b>Mianzhu History Museum</b> Jiahua Ping ARTS Group Co., Ltd., China
<b>YADE 41</b>	<b>Holes in the House : Urban Wild Ecology</b> Mio Tsuneyama, Fuminori Nousaku Tokyo University of Science, Japan
<b>YADE 44</b>	<b>WiryeArtistsStudio</b> Soo-in Yang Lifethings, Korea