

PROGRAM

—THE 2ND INTERNATIONAL CONFERENCE OF IASUR



Xi'an, China

INTERNATIONAL CONFERENCE OF **GREEN BUILDING AND SMART CITY**

March 28-30, 2019

Organizing Committee of
The Second Conference of IASUR
www.iasur.org

ORGANIZER

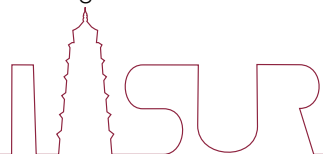
Division of Civil, Hydraulic and Architectural Engineering (CAE)
International Alliance for Sustainable Urbanization and Regeneration (IASUR)

CO-ORGANIZER

State Key Laboratory of Green Building in Western China, Xi'an University of Architecture and Technology
Sustainable Urban Architectural Environment in Asia, CAMPUS ASIA pilot program, Kyushu University

CO-ORGANIZER FOR SPECIAL SESSION

China Academy of Building Research
Bei Jing International Science & Technology Cooperation Base for Green Building



Welcome to the IASUR Conference

In the 21st century, the rapid urbanization, high density growth, urban sprawl and slums, as well as increasing informality in urban activities, are still the major challenges for most Asian cities and regions. In response to these issues which aimed to establish how engineering, including civil engineering, environmental engineering, architecture and urban planning, can make significant contributions to the resolution of the increasingly severe problems caused by global warming, environmental pollution and urban vulnerability, and to the realization of sustainable cities and regions in Asia, we came to recognize the importance of promoting new paradigms and methodologies. At the same time we recognized the limitation of individual activities in research and education to solve complicated environmental issues.

It is our biggest pleasure that CAE and IASUR, together with State Key Laboratory of Green Building in Western China and SUEC Asia, will host the second international conference in March 29-31, 2019 in Xi'an, China. The main theme of this conference is "Green Building and Smart City". Throughout the conference, we will steer the directionality for sustainable urban regeneration or urbanization so that it is repositioned within the scope of, and the capacity for, urban and regional sustainability through a process of continuous international collaboration. We have great expectations that the alliance will make a significant contribution in further developing and raising the academic status of research and education for the future of Asian cities and regions.

Atsushi DEGUCHI

Chair, Organizing Committee of the First Conference of International Alliance for Sustainable Urbanization and Regeneration
Professor, Department of Socio-Cultural Environmental Studies, Graduate School of Frontier Sciences, The University of Tokyo

Jiaping LIU

Director, State Key Laboratory of Green Building in Western China
Academician, Professor, Department of Architecture, Xi'an University of Architecture and Technology

GENERAL INFORMATION

Organization And Management

ORGANIZER

Division of Civil, Hydraulic and Architectural Engineering (CAE)

International Alliance for Sustainable Urbanization and Regeneration (IASUR)

CO-ORGANIZER

State Key Laboratory of Green Building in Western China, Xi'an University of Architecture and Technology

Sustainable Urban Architectural Environment in Asia, CAMPUS ASIA pilot program, Kyushu University

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China Academy of Building Research

Bei Jing International Science & Technology Cooperation Base for Green Building

Chairman

Atsushi DEGUCHI

President, International Alliance for Sustainable Urbanization and Regeneration

Professor, Graduate School of Frontier Sciences, The University of Tokyo

Jiaping LIU

Director, State Key Laboratory of Green Building in Western China

Academician, Professor, Department of Architecture, Xi'an University of Architecture and Technology

Organizing Committee

Atsushi DEGUCHI

President, International Alliance for Sustainable Urbanization and Regeneration

Professor, Graduate School of Frontier Sciences, The University of Tokyo

Yasunori AKASHI

Professor, Department of Architecture, The University of Tokyo

Hiroto TAKAGUCHI

Professor, Department of Architecture, Waseda University

Shichen ZHAO

Professor, Department of Architecture and Urban Design, Kyushu University

Jiaping LIU

Director, State Key Laboratory of Green Building in Western China

Academician, Professor, Department of Architecture, Xi'an University of Architecture and Technology

GENERAL INFORMATION

Yi WANG

Deputy Director, State Key Laboratory of Green Building in Western China

Professor, School of Building Services Science and Engineering, Xi'an University of Architecture and Technology

Norihisa SHIMA

Associate Professor, Department of Regional Development Studies, Toyo University

Akito MURAYAMA

Associate Professor, Department of Urban Engineering, The University of Tokyo

Venues for the Conference

Xi'an University of Architecture and Technology (XAUAT), Xi'an, China
No.13, Yanta Road, Xi'an, Shaanxi, 710055, P.R.China

Registration Desks: Entrance Hall on 1/F of New Century Grand Hotel

Guest Rooms: New Century Grand Hotel and Tianyu Gloria Grand Hotel

Opening Session / Closing Session: 1/F Lecture Hall of Engineering Building, XAUAT

Session Rooms:

Session I / Session IV / Special Session / Session VII / Session IX:

1/F Lecture Hall, Engineering Building, XAUAT

Session II / Session V / Session VIII / Session X:

4/F Lecture Hall, School of Architecture, XAUAT

Session III / Session VI:

1/F Lecture Hall, School of Architecture, XAUAT

Poster Session: Hallway on 1/F of Engineering Building, XAUAT

Accommodation and Dining

The hotels available for accommodation during the conference are New Century Grand Hotel and Tianyu Gloria Grand Hotel. Please see the Appendix for the details.

Breakfast

Attendants could have buffet breakfast according to their hotels, which are included in the room rate.

New Century Grand Hotel: 1/F Cafeteria of New Century Grand Hotel

Tianyu Gloria Grand Hotel: 3/F Buffet Restaurant of Tianyu Gloria Grand Hotel

GENERAL INFORMATION

Lunch

3/F of Engineering Building, Xi'an University of Architecture and Technology is the place where the participants have lunch from 29th - 30th March.

Dinner

Attendants could have buffet dinner according to their hotels at 18:00 - 20:00 28th and 30th March.

Gala Dinner

All the attendants will be invited to Gala Dinner at 18:30-20:00 29th March in Multiple Function Hall at Fourth floor of New Century Grand Hotel.

Oral Presentations

The oral presenters are required to send the MS-PowerPoint or Adobe PDF format to Organizing Committee (klgb@xauat.edu.cn) before 27th, March or hand it on USB to conference staff at the registration desk on 28th, March. For those participants who have submitted the files online, reconfirming at the desks are required. Please refer to the Session Program for Oral Presentations for your presentation date and time.

Furthermore, each presentation shall not be exceeding 15 minutes. Before the opening of the sub-session, the presenter needs to check with the Session Chair at the session room, and contact with the Session Chair as early as possible if there is any change of the oral presentation.

Poster Presentations

The poster presenters are required to reconfirm the posters at the registration desk on 28th, March. The poster presenters should forward to the staff in advance if there is any special request on the exhibition. All the posters will be exhibited on 30th, March in the hallway on 1/F of Engineering Building, Xi'an University of Architecture and Technology for open discussions by all attendants during the conference.

Group Photographing

All the delegates are invited to take group photographs at 10:30-11:00 29th, March during the opening session at the entrance of Engineering Building, XAUAT.

GENERAL INFORMATION

Registration Fee

Participant (General)

First Author : RMB 1600

Other Author / Presenter : RMB 1800

Participant (Student)

First Author : RMB 800

Other Author / Presenter : RMB 900

Conference Badge

On the registration day, each attendants will be provided the Conference Badge which is required to wear in the whole duration of the conference.

Contact Information

If there are any requirements, please contact with the Organizing Committee to the following person:

- For Registration, Accommodation, Dining, etc.

Linjie ZHANG Tel. +86 158 2901 8682

- For Session Halls

Keynote Speech / Special Session: Songheng WU Tel. +86 187 0293 9927

Session I / Session IV: Yang YANG Tel. +86 159 3486 0566

Session VII / Session IX: Yan LIU Tel. +86 159 9116 2535

Session II / Session V: Lei WU Tel. +86 180 6661 0306

Session VIII / Session X: Zhifei ZHOU Tel. +86 139 9132 6399

Session III / Session VI: Cong SONG Tel. +86 151 0298 7164

- For Posters

Wenbo WU Tel. +86 137 7246 4321

CONFERENCE PROGRAM

CONFERENCE PROGRAM

General Program

Thursday 28 March

10:00-22:00 Registration

Friday 29 March

09:00-09:30 Opening Session (1/F Lecture Hall of Engineering Building, XAUAT)

09:30-12:00 Keynote Speech (1/F Lecture Hall of Engineering Building, XAUAT)

9:30-10:10 Keynote Speech by

Prof. Atsushi Deguchi (Chair, IASUR Conference Organizing Committee,
The University of Tokyo)

10:10-10:40 Commemorative Photograph and Coffee/Tea Break

10:40-12:00 Keynote Speech by

Prof. Akihito Ozaki (Kyushu University)
Prof. Yuguo Li (The University of Hong Kong)

13:00-17:30 Afternoon Sessions: Oral Presentation

13:00-15:00 Session I (1/F Lecture Hall, Engineering Building, XAUAT)

Session II (4/F Lecture Hall, School of Architecture, XAUAT)

Session III (1/F Lecture Hall, School of Architecture, XAUAT)

15:30-17:30 Session IV (1/F Lecture Hall, Engineering Building, XAUAT)

Session V (4/F Lecture Hall, School of Architecture, XAUAT)

Session VI (1/F Lecture Hall, School of Architecture, XAUAT)

Saturday 30 March

09:00-11:00 Special Session “International Assessment Standard for Green Building”

(1/F Lecture Hall, Engineering Building, XAUAT)

11:00-12:00 Poster Session (Hallway of 1/F Lecture Hall, Engineering Building, XAUAT)

13:00-17:30 Afternoon Sessions: Oral Presentation

13:00-15:00 Session VII (1/F Lecture Hall, Engineering Building, XAUAT)

Session VIII (4/F Lecture Hall, School of Architecture, XAUAT)

15:30-17:30 Session IX (1/F Lecture Hall, Engineering Building, XAUAT)

Session X (4/F Lecture Hall, School of Architecture, XAUAT)

17:30-18:30 Closing Session

Sunday 31 March

Optional Tour

Keynote Speech

9:30-12:00, March 29, 1/F Lecture Hall, Engineering Building, XAUAT

Moderator:

Shichen ZHAO (Department of Architecture and Urban Design, Kyushu University)

Keynote Speech:

Atsushi DEGUCHI

Chair, IASUR Conference Organizing Committee; Professor, The University of Tokyo
Smart City Approach to Sustainable Urban Development

Akihito OZAKI

Professor, Kyushu University
*Definition of Zero Energy Building and Assessment Tool: Numerical simulation on
hygrothermal environment of buildings*

Yuguo LI

Professor, The University of Hong Kong
Wind weakening, heat dome and urban warming

SESSION PROGRAM

Oral Presentations

Friday 29 March

Session I: 13:30-15:15, 1/F Lecture Hall, Engineering Building, XAUAT

Moderator - Yanfeng Liu (Xi'an University of Architecture and Technology)

Theme: Green Building 1

I-1: Melting and Solidification Behavior of Paraffin Embedded in Metal Foam

Mohamed Moussa El Idi

PhD candidate, Université Paris-Est, CERTES, France

I-2: Experimental and Numerical Investigations on Thermal Properties of Concrete Containing Micro-Encapsulated Phase Change Materials

Kossi-Mensah Kodjo

PhD, Université Paris-Est, Laboratoire Modélisation et Simulation Multi Échelle, France

I-3: Preparation and Thermal Properties of Form Stable LDPE/ Hexadecane/ SEBS Composite for Thermal Energy Storage.

Ibtissem Chriaa

PhD student, Université de Sfax, Laboratoire des Matériaux Multifonctionnels et Applications, Tunisia

I-4: PSO-based Self-consumption Microgrid Sizing for Resiliency of Weak Grid Improving

Marou Garba

PhD student, CERTES Laboratory, University of Paris-Est Creteil, France

I-5: Thermal Performance of the Envelope of Ventilated Industrial Buildings in the Severe Cold and Cold Zones of China

Xiaojing Meng

Associate Professor, State Key Laboratory of Green Building in Western China, Xi'an University of Architecture and Technology, China

I-6: Experimental Study on the Evaporation of Microbial Droplets

Xin Liu

Master student, The State Key Laboratory of Green Building in Western China, China

I-7: Bioclimatic Building Design Method with Time and Space Division Based on Human Adaptive Thermal Comfort in Turpan, China

Liu Yang

Professor, State Key Laboratory of Green Building in Western China, School of Architecture, Xi'an University of Architecture and Technology, China

SESSION PROGRAM

Session II: 13:30-15:15, 4/F Lecture Hall, School of Architecture, XAUAT

Moderator - Prasanna Divigalpitiya (Kyushu University)

Theme: Planning, Design and Engineering for Dynamism of Society 1

II-1: Analysis on the Influence of Hospital Relocation to City Center

Ryuta Yamamoto

Undergraduate, Department of Architecture, School of Engineering, Kyushu University, Japan

II-2: Place Attachment and Sense of Acceptance: International Students's Perception of their New Environment

Vita F. Ridwan

Doctoral candidate, Departement Civil and Environmental Engineering, Graduate School of Science and Engineering, Ehime University, Japan

II-3: A Study on the Process of Planning, Constructing and Educational Program Designing of Dazhu Primary School

Yi Fan

Assistant Professor, Faculty of Human-Environment Studies, Kyushu University, Japan

II-4: The Relationship between Fracture and Fall Place in Super-Aged City

Shujirou Imaeda

Ph. D. course student, Graduate School of Engineering, The University of Tokyo, Japan

II-5: Actual Living Condition Surrounding Street Dwellers in Downtown Focusing on Sleeping Place and Support, Case Study in Fukuoka

Shintaro Ikeda

Undergraduate student, Department of Architecture, School of Engineering, Kyushu University, Japan

II-6: Building Ecodistricts in Existing Urban Area: Nishiki 2 Low-Carbon Community Development Project in Japan

Akito Murayama

Associate Professor, Department of Urban Engineering, School of Engineering, The University of Tokyo, Japan

II-7: The "Visual Ecology" Index based on People-oriented Perspective: Green Looking Ratio

Li Zhen

Master of Engineering, Key Laboratory, Ministry of Science and Technology, Industry and Informatization, Ministry of Science and Technology for Urban and Rural Human Settlements in Cold regions, Department of Architecture, Harbin Institute of Technology, China

SESSION PROGRAM

Session III: 13:30-15:15, 1/F Lecture Hall, School of Architecture, XAUAT

Moderator - Yasunori Akashi (The University of Tokyo)

Theme: Smart City and Environment

III-1: A Simulation Approach About The effect Of The Optimization For Distributed Energy Supply Systems In Business Area

Takahiro Ueno

Ph.D. student, Graduate School of Human-Environment Studies, Kyushu University, Japan

III-2: Refinement and Application of the Definition of the Medical Service Circle: Taking the comprehensive hospitals of Fukuoka as the research object-

Feifan Xu

Ph.D. student, Graduate School of Human-Environment Studies, Kyushu University, Japan

III-3: The Realization of Digitization and Intelligentization of Urban Planning Under the Background of Big Data Era

Rongjiao Tang

Student, School of Architecture and Design, Southwest Jiaotong University, China

III-4: Research on Accessibility Mechanism of Underground Pedestrian Network System in Influential Area of Urban Railway Central Station Based on AI Technology

Yan He

Student, School of Architecture and Design, Southwest Jiaotong University, China

III-5: The Influence of Street Aspect Ratio and Urban Thermal Storage On Thermal Environment at Scale Model Outdoor Field Measurement

Guanwen Chen

Postgraduate, School of Atmospheric Sciences, Sun Yat-sen University, China

III-6: Concentration Characteristics of PM10, PM2.5 and PM1 in Naturally Ventilated Residences in Xi'an during Wintertime

Huan Wang

Lecturer, School of Building Services Science and Engineering, Xi'an University of Architecture and Technology, China

III-7: Experimental Study on the Purification Effect of Filter Materials Commonly Used in Chinese Market on Particulates

Xin Zhang

Student, School of Building Services Science and Engineering, Xi'an University of Architecture and Technology, China

SESSION PROGRAM

Session IV: 15:30-17:30, 1/F Lecture Hall, Engineering Building, XAUAT

Moderator - Mustapha Karkri (Université Paris-Est)

Theme: Green Building 2

IV-1: Review on Advanced Building Skin Design Strategy

Chang Shu

Graduate student, College of Architecture and Urban Planning, Tongji University, Shanghai, China

IV-2: Research on the Adoption of Green Leases and the Content of Green Lease Contracts in Japan

Satoshi Inaba

Graduate School of Creative Science and Engineering, Waseda University, Japan

IV-3: Spread and Effect of Energy-Saving Renovation Due to Green Lease Agreements

Hiroyuki Hasada

Undergraduate student, Department of Architecture, Faculty of Engineering, The University of Tokyo, Japan

IV-4: Effect of Subsidy Policies on the Penetration of Green Buildings

Yuki Ohto

Graduate Student, School of Engineering, The University of Tokyo, Japan

IV-5: Microstructural Properties of Ternary Concrete of Rice Husk Ash and Fly Ash

Abdoulie Cham

Graduate Student, Department of Civil Engineering, Tokyo Institute of Technology, Japan

IV-6: Effect of Cement Stabilization on Properties of Compressed Earth Bricks

Lei Zhang

Lecturer, School of Civil Engineering and Architecture, Xi'an University of Technology, China

IV-7: A Summary of Research on Bicycle and Urban Rail Transit Transfer System (B+R) in China

Hanghai Zhang

Master Candidate, School of Architecture, Tianjin University, China

IV-8: The Influence of Enclosed Buildings on the Surrounding Microclimate in Cold Campus

Wu Yimeng

Student, School of Architecture, Qingdao Technological University, China

SESSION PROGRAM

Session V: 15:30-17:15, 4/F Lecture Hall, School of Architecture, XAUAT

Moderator - Hang Jian (Sun Yat-Sen University)

Theme: Planning, Design and Engineering for Dynamism of Society 2

V-1: A Study on the Institutional Framework of Suburban Land Subdivision in Cambodia: The Case of Phnom Penh Metropolitan Area

Sothearith Phou

Master Course Student, Department of Regional Development Studies, Toyo University, Japan

V-2: Assessment of Sustainable Development in the Peri-Urban Area: A Case Study of the Greater Cairo Region, Egypt

Muhammad Salem

PhD student, Graduate School of Human-Environment Studies, Kyushu University, Japan

V-3: Suburban Land Use Dynamics in the Shrinking Phase of a Megacity: The Tokyo Metropolitan Area as a Case Study

Taku Nakano

Project Researcher, Graduate School of Frontier Sciences, The University of Tokyo, Japan

V-4: A Study on Land Development Typology of Shinkansen Station Area

Siting Chen

Master student, Graduate School of Human-Environment Studies, Kyushu University, Japan

V-5: "Temporary Places" in Communities Formed by Mobile Retailers: A Case of COOP Associations in Japan

Yuri Akizuki

Graduate Student, Department of Urban Engineering, School of Engineering, The University of Tokyo, Japan

V-6: A Comparative Analysis of Legal Responsibilities in the Urban and Rural Planning Regulations of the East and West Cities in China: Taking Qingdao and Urumqi as Examples

Rong Li-ying

Master student, Urban and Rural Planning, Shandong Jianzhu University, China

V-7: Research on the Configuration of Public Service Facilities in the Towns of Yanqing District Under the Background of the New-Type Urbanization

Lin Chen

Research Center of Master Planning, Tongheng Urban Planning & Design Institute, China

SESSION PROGRAM

Session VI: 15:30-17:15, 1/F Lecture Hall, School of Architecture, XAUAT

Moderator - Norihisa Shima (Toyo University)

Theme: Cities and Infrastructure

VI-1: The Development of Fire Safety Research for Subway System in China

Wang Zhiyuan

Beijing Key Laboratory of Green Built Environment and Energy Efficient Technology, Beijing University of Technology, China

VI-2: Evaluation and Optimization Strategy of Waterfront Space in Suzhou Based on POI Data

Siqi Zhan

Graduate Student, Tianjin University, China

VI-3: Study on Temperature Distribution of Road Tunnel Fire under Longitudinal Ventilation

Fan Xianlai

Beijing Key Laboratory of Green Built Environment and Energy Efficient Technology, Beijing University of Technology, China

VI-4: Bicycle Successfulness by Social Acceptance: the Example of Japan

Léo Martial

PhD student, Graduate School of Urban Innovation, Yokohama National University, Japan

VI-5: Investigation and Improvement of Outdoor Thermal Environment of Existing Residential Buildings in Dalian

Yuan Su

Associate Professor, School of Architecture & Fine Art, Dalian University of Technology, China

VI-6: Impact of Landscape Elements Allocation of High Altitude Climate on Urban Park Leisure Space Thermal Comfort in Summer : a Case Study of Lhasa

Ningbo Dong

Master student, Department of Architecture and design, Southwest Jiaotong University, China

VI-7: Experimental Study on Cold Tolerance Characteristics of Human Body Under Severe Cold Conditions (-16°C)

Yu Zhang

Beijing Key Laboratory of Green Built Environment and Energy Efficient Technology, Beijing University of Technology, China

SESSION PROGRAM

Friday 30 March

Special Session: 9:00-11:00, 1/F Lecture Hall, Engineering Building, XAUAT

Moderator: Weijun Gao (The University of Kitakyushu, Qingdao University of Technology)

Qingqin Wang (China Academy of Building Research)

Theme: International Assessment Standard for Green Building

S-1: Introduction to the Green Building Standards of China

Qingqin Wang

China Academy of Building Research

S-2: Advancing Net Zero- to Design, Build and Manage Carbon-Neutral Buildings

Johannes Kreissig

German Sustainable Building Council-DGNB

S-3: Japanese Green Building Standard and Its Comparison with China and USA

Weijun Gao

The University of Kitakyushu, Qingdao University of Technology

S-4: The Innovations and New Features Update of BEAM Plus 2.0 in Hong Kong

Jiaming Zhou

The Hong Kong Green Building Council

S-5: The Application of Breeam in the Whole Building Life Cycle

Yangyan Du

British Building Research Establishment

S-6: Discussion Forums

SESSION PROGRAM

Poster Session: 11:00-12:00, Hallway of 1/F Lecture Hall, Engineering Building, XAUAT
Moderator: Norihisa Shima (Toyo University)

P-1: Analysis of the Second Level Index for Dividing Climate Region for Building Thermal Design in Severe Cold Climate Zone

Zequ Wen

Master student, School of Architecture, Xi'an University of Architecture and Technology, China

P-2: Study on the Network Connectivity and Reachability of Underground Space in the Development of Land Diversity: Taking Shapingba Station as an Example

Yuanyuan Wu

Student, School of Architecture and Design, Southwest Jiatong University, China

P-3: Research of Indoor Thermal and Humid Environment and Air Quality in Public Area of Green Building in Dalian

Linwei Wang

Master Student, School of Architecture and Fine Art, Dalian University of Technology, China

P-4: Research on Land Use of Urban Rail Center Station Affected Area Based on Artificial Intelligence Technology

Yuan He

PhD student, School of Architecture and Design, Southwest Jiaotong University, China

P-5: Study on the Planning for Village Relocating under the heritage of Regional Culture

Feng Tingting

Kunming Engineering & Research Institute of Nonferrous Metallurgy Co., Ltd., China

P-6: Study on Eco-city Design from the Perspective of System Theory

Dezheng Liu

Master Candidate, Tianjin University, China

P-7: Research on the Creation of Child-friendly Cities Based on the Concept of Smart Communities

Wanjuan Yang

Master, College of architecture and urban planning, Shandong Jianzhu University, China

P-8: The Impact of Spatical Morphology Factors on Outdoor Microclimate in a Typical Residential Form

Zhang Li

Master student, Department of Architecture and Design, Southwest Jiaotong University, China

P-9: Conceptual Design of Urban Regeneration of Historical and Cultural Block: A Case Study of Taiyanggou Area in Lvshun District, Dalian

Qi Yangyi

Graduate student, School of Architecture and Art, Dalian University of Technology, China

P-10: Research on Planning Mode of Green Transportation: Take Yuelai Eco-city as an Example

Dachang Yuan

Professor, Tianjin University, China

SESSION PROGRAM

Session VII: 13:30-15:15, 1/F Lecture Hall, Engineering Building, XAUAT

Moderator - Qingqin Wang (China Academy of Building Research)

Theme: Green Building 3

VII-1: A Study of Installation Method of Fuel Cell for Residence and Storage Battery in Smart District: Simulation Consideration of Optimal Share Size and Device Installation Density

Takahiro Yamamoto

Assistant Professor, Faculty of Human-Environment Studies, Kyushu University, Japan

VII-2: Study on the Applicability of Bathroom Drying System Combined with a Hot-water Supply System Using Solar Heat

Wanghee Cho

Associate Professor, Faculty of Human-Environment Studies, Kyushu University, Japan

VII-3: Model Predictive Control of Chillers with Heat Storage Tanks as a Carbon Activated Demand Response

Shohei Miyata

PhD Student, School of Engineering, The University of Tokyo, Japan

VII-4: Measurement Survey on Household Electricity Consumption in Thailand, Vietnam and Cambodia: Building Energy Structure and Lifestyle Database of Asia

Takuya Shimizu

Master Course, Department of Architecture, Creative Science and Engineering, Waseda University, Japan

VII-5: Observation Study of Relationship Between Occupants and Energy Consumption

Keisuke Ojima

Graduate Student, Graduate School of Engineering, The University of Tokyo, Japan

VII-6: The Study of Occupant Behavior Pattern Factor of Building Energy Consumption in Residential Communities

Jia Tian

School of Environmental and Municipal Engineering, Xi'an University of Architecture and Technology, China

VII-7: Missing Data Estimation for BEMS Data with Irregular Missing

Shufen Zhang

Department of Architecture, The University of Tokyo, Japan

SESSION PROGRAM

Session VIII: 13:30-15:15, 4/F Lecture Hall, School of Architecture, XAUAT

Moderator - Chen Xiaojian (Xi'an University of Architecture and Technology)

Theme: Space, Time and Cultural Context 1

VIII-1: Current Water Quality of Inle Lake in Myanmar; A Potential Threat to the Lake Environment

Takashi Yuasa

Ph.D. Student, Graduate School of Toyo University, Pacific Consultants Co., Ltd., Japan

VIII-2: Reuse and Revaluation of the Former City Wall Sites in Urban Development Process of European Cities

Mengyu Jiang

Doctor Candidate, Department of Socio-Cultural Environmental Studies, Graduate School of Frontier Science, The University of Tokyo, Japan

VIII-3: Changes in Spatial Structure of Fishing Villages Caused by Coastline Change: A Case Study of Katsumoto District, Iki city, Nagasaki Prefecture

Kentaro Morita

Graduate Student, Graduate School of Human-Environment Studies, Kyushu University, Japan

VIII-4: Environmental Adaptability of Vernacular Architecture in the Tibetan Kham Area

Qian Nie

Doctoral Candidate, School of Architecture, Xi'an University of Architecture and Technology, China

VIII-5: Protection and Utilization of Red Cultural Heritage in Villages and Towns of Northern Shaanxi under the Background of Rural Revitalization

Hao Haizhao

Ph.D. candidate, College of Architecture, Xi'an University of Architecture and Technology, China

VIII-6: Quality of Integration of a Building in an Urban Heritage area: Evaluation of the Impact of the Variation of Parameters on the Accuracy of a Deep Learning Method

Mohamed Rami Derbel

Doctoral candidate, Graduate school of science and Engineering, Department of Civil Engineering and Architecture, Saga University, Japan

VIII-7: A study on the Space Configuration of Parks and Transition of Park Planning among South Manchuria Railway Zones

Yuki Onizuka

Under Graduate Student, Department of Architecture, School of Engineering, Kyushu University, Japan

SESSION PROGRAM

Session IX: 15:30-17:15, 1/F Lecture Hall, Engineering Building, XAUAT

Moderator - Jongyeon Lim (The University of Tokyo)

Theme: Green Building 4

IX-1: Current Status and Preliminary Analysis of Heating Energy Consumption in Residential Buildings

Wenli Li

Master Student, School of Building Services Science and Engineering, Xi'an University of Architecture and Technology, China

IX-2: The Study of Adjustability Optimization Strategy of Residential District Heating Network

Zhencheng Zhang

School of Environmental and Municipal Engineering, Xi'an University of Architecture and Technology, China

IX-3: Applicability Analysis of Wind-Solar Hybrid System to Building Energy Consumption in China Coastal Islands

Chenhui Yang

School of Environmental and Municipal Engineering, Xi'an University of Architecture and Technology, China

IX-4: Study on Energy Saving and Ecological Benefits of Green Roof in Hot Summer and Cold Winter Areas

Xiaoping Feng

Professor, School of Environment and Civil Engineering, Jiangnan University, China

IX-5: Sensitivity Analysis for a Complete Thermochemical Energy Process

Ayeshah Mohammad Al-Awadhi

PhD Student, Department of Civil, Environmental and Architectural Engineering, University of Colorado at Boulder, United States

IX-6: Residential Building Load Forecasting Model Applicable to Urban Master Planning: A Case Study of Xi'an City

Hao Dong

PhD Student, State Key Laboratory of Green Building in Western China, Xi'an University of Architecture and Technology, China

IX-7: Research on Indoor Thermal Comfort of Typical Existing Residential Buildings in Dalian

Pu Mengmeng

Master student, Department of Architecture, Dalian University of Technology, China

SESSION PROGRAM

Session X: 15:30-16:45, 4/F Lecture Hall, School of Architecture, XAUAT

Moderator - Takafumi Kurose (Kyushu University)

Theme: Space, Time and Cultural Context 2

**X-1: The Production of Space in Kwun Tong: Urban Design through the Understanding of
Everydayness**

Wenxin Zeng

Research Assistant, Department of Urban Planning and Design, The University of Hong Kong, Hong Kong

X-2: Morphology and Functions of Ring-Radial Spaces and Rotaries in Urban Development

Jiankun Liu

Doctor Candidate, Department of Socio-Cultural Environmental Studies, Graduate School of Frontier
Science, The University of Tokyo, Japan

**X-3: A Study of Stationed Settlements in Xuanfu and Datong Garrisons in Ming Dynasty from the
Viewpoint of Xiangyue**

Sheng Dang

Ph.D. Candidate, Graduate School of Human Environment Studies, Kyushu University, Japan

**X-4: The Influence of Changes in Social Context on the Role and Form of Special Facility in Modern
Architecture: Nagashima-Aiseien, the National Hansen's Disease Sanatorium in Japan**

Minjeong Park

Graduate student, Department of Architecture, Graduate School of Engineering, The University of Tokyo,
Japan

X-5: Research on Healthy Building Space Based on Traditional Kanyu Theory

Zhou Wei

Kunming Engineering & Research Institute of Nonferrous Metallurgy Co., Ltd., China

Closing Session: 17:30-18:30, Lecture Hall at Ground Floor, School of Architecture

APPENDIX

APPENDIX

Friday, March 29, 2019

Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00
1/F Lecture Hall, Engineering Building		Opening Session				Session I Green Building 1		Session IV Green Building 2			
4/F Lecture Hall, School of Architecture						Session II Planning, Design and Engineering for Dynamism of Society 1		Session V Planning, Design and Engineering for Dynamism of Society 2			
1/F Lecture Hall, School of Architecture						Session III Smart City and Environment		Session VI Cities and Infrastructure			
3/F Hall, Engineering Building				Lunch							

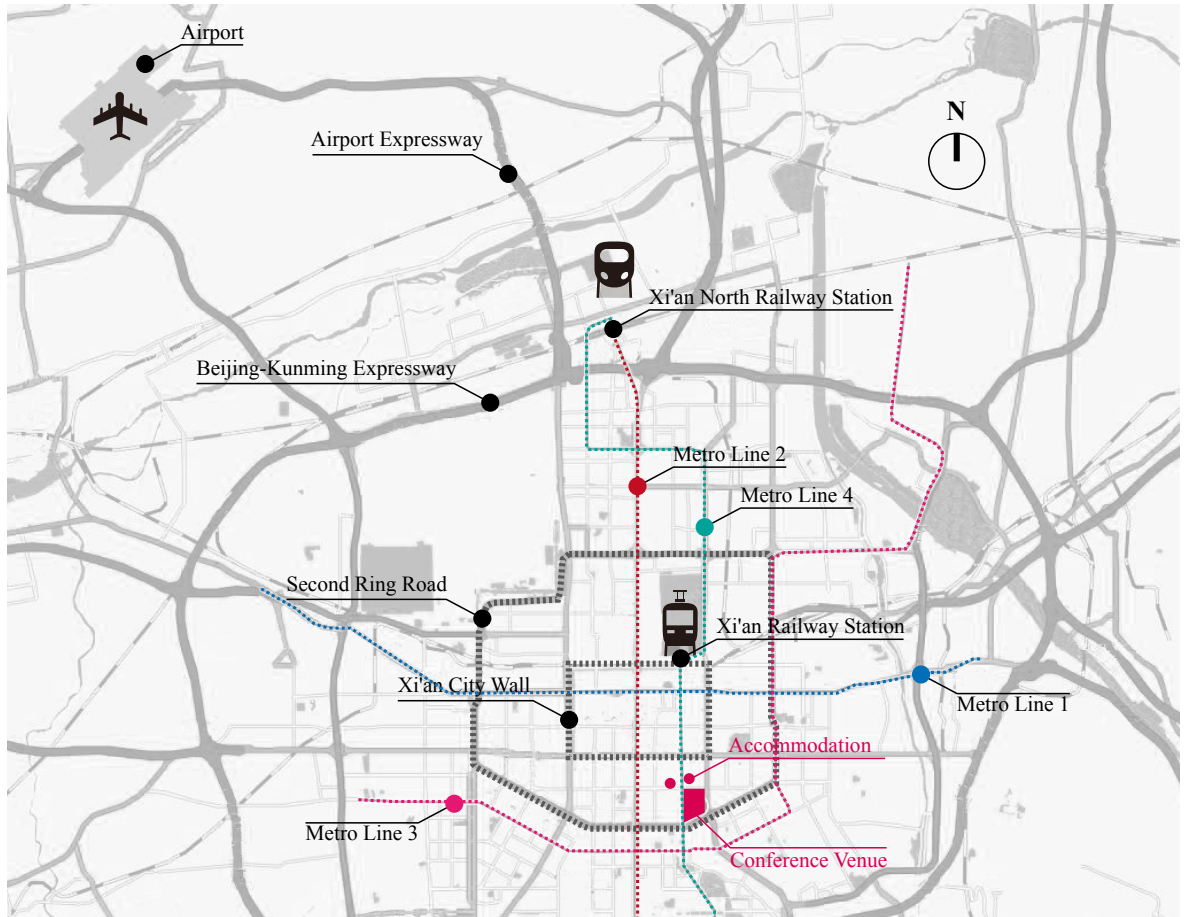
Saturday, March 30, 2019

Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00
1/F Lecture Hall, Engineering Building		Special Session				Session VII Green Building 3		Session IX Green Building 4		Closing Session	
4/F Lecture Hall, School of Architecture						Session VIII Space, Time and Cultural Context 1		Session X Space, Time and Cultural Context 2			
Hallway of 1/F Lecture Hall, School of Architecture			Poster Session								
3/F Hall, Engineering Building				Lunch							

Saturday, March 31, 2019

Optional Tour

Access Map



Xi'an University of Architecture and Technology
No.13, Yanta Road, Xi'an, Shaanxi, P.R.China

By Plane

Xi'an Xianyang International Airport

- approximately 70 mins by Car.
- approximately 90 mins by Airport Bus to High-speed Rail Station, from High-speed Rail Station take Line 4 to XAUAT.

By Train

Xi'an North Railway Station

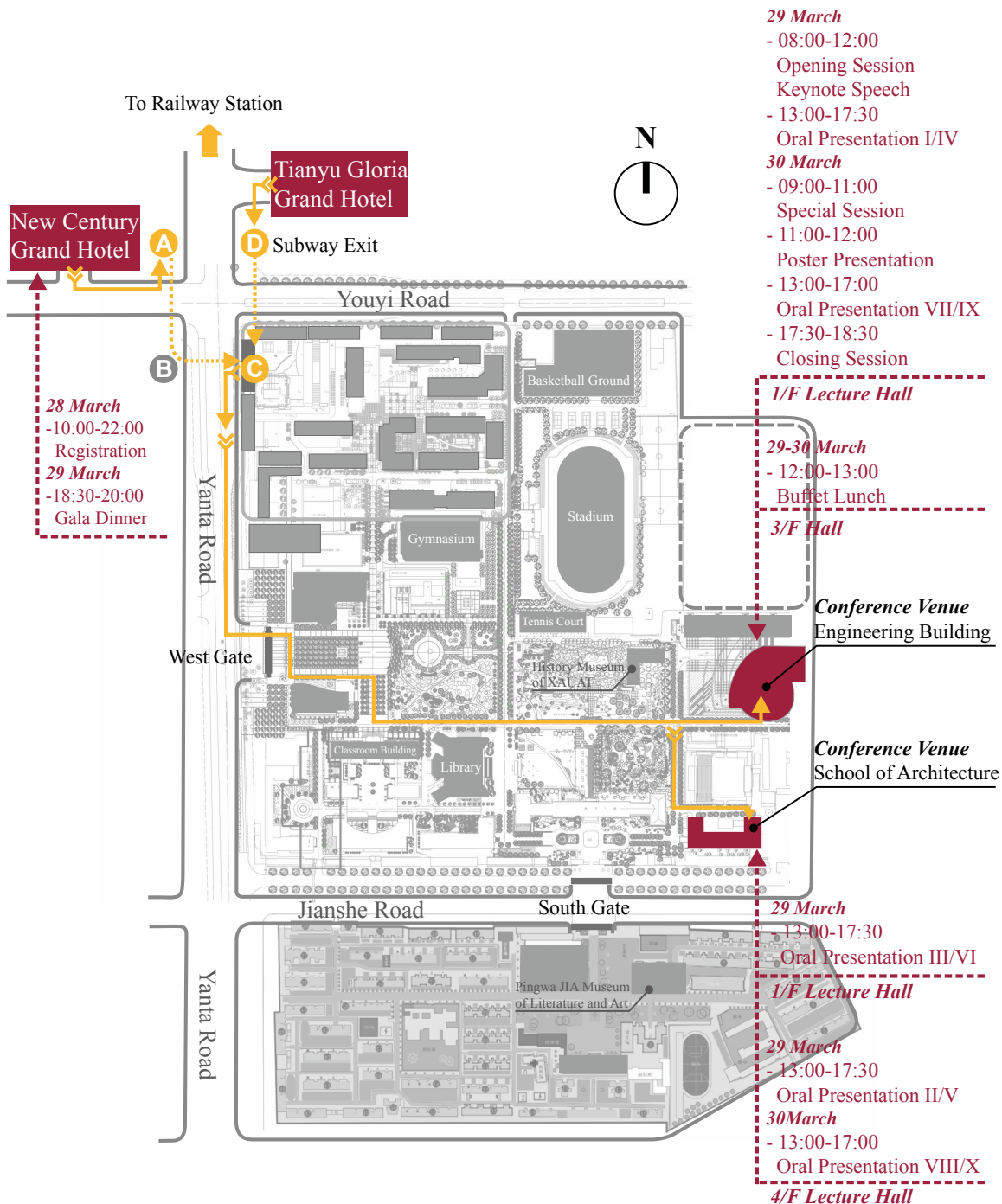
- approximately 60 mins by Car.
- approximately 60 mins by Line 2 to Xing Zheng Zhong Xin, from Xing Zheng Zhong Xin take Line 4 to XAUAT.

Xi'an Railway Station

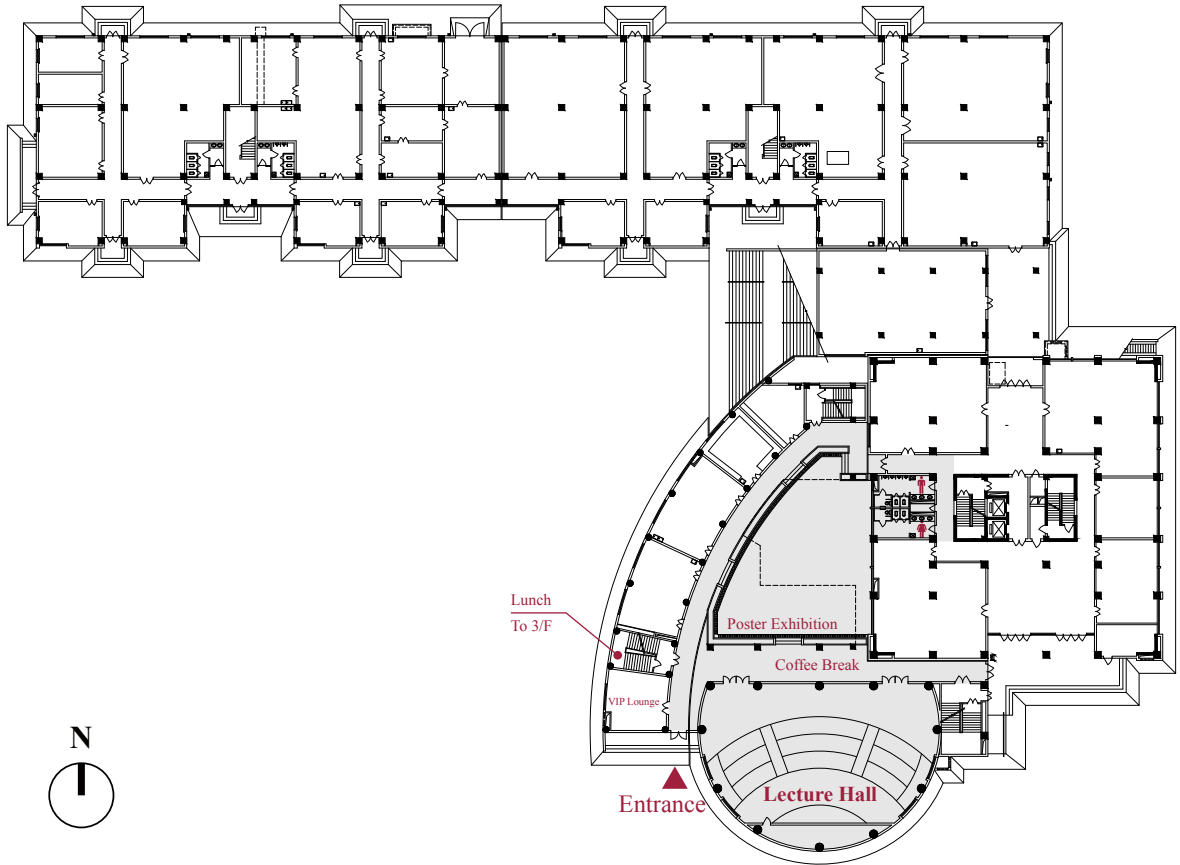
- approximately 30 mins by Car.
- approximately 20 mins by Line 4.

APPENDIX

Conference Venue

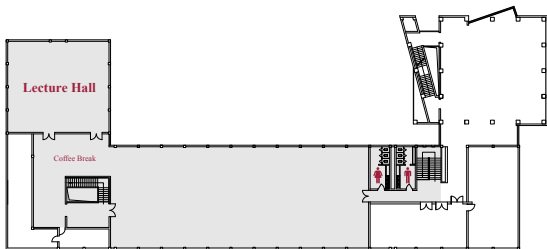


Layout

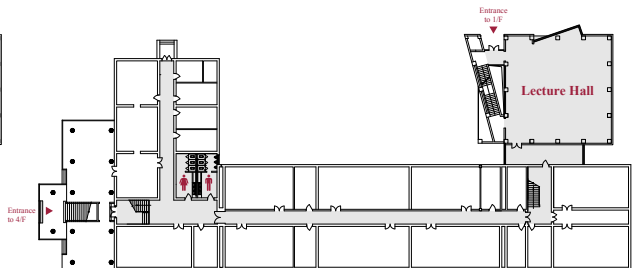


1/F Lecture Hall, Engineering Building, XAUAT

4/F Lecture Hall, School of Architecture, XAUAT



1/F Lecture Hall, School of Architecture, XAUAT



MEMO

MEMO

ORGANIZER



CHINESE ACADEMY OF ENGINEERING
Division of Civil, Hydraulic and Architectural Engineering



International Alliance for Sustainable Urbanization and Regeneration

CO-ORGANIZER



STATE KEY LABORATORY OF GREEN BUILDING IN WESTERN CHINA



Sustainable Urban Architectural Environment in Asia,
CAMPUS ASIA pilot program, Kyushu University

CO-ORGANIZER FOR SPECIAL SESSION



China Academy of Building Research

Bei Jing International Science & Technology Cooperation Base for Green Building

