

CJK 2014

SESSION PROGRAM

The 7th Lighting Conference of CHINA, JAPAN and KOREA
August 22-23, 2014, TJU TIANJIN CHINA



中国照明学会

CHINA ILLUMINATING ENGINEERING SOCIETY



一般社団法人 照明学会

THE ILLUMINATING ENGINEERING INSTITUTE OF JAPAN



대한민국 조명·전기설비학회

THE KOREAN INSTITUTE OF ILLUMINATING AND ELECTRICAL INSTALLATION ENGINEERS

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		Yi Xu	Tianjin University
		Chen Luo	Tianjin University
Shiwei Lu	Tianjin University		
Chenhao Su	Tianjin University		

Conference Time Table

August 22, 2014(Friday)

Time	Contents	Place
8:00 ~ 14:00	Registration	Room 118, No.26 Building, Block B
14:00 ~ 14:15	Opening Ceremony CIES · IEIJ · KIIEE	Room 103, No.26 Building, Block B
14:15~17:30	Workshop (including 15 minutes coffee break)	
17:30~18:30	Poster Session(65 papers)	Block B Hall, Building 26

August 23, 2014 (Saturday)

Time	Contents			Place
9:00 ~ 9:40	Key-Note Presentation (1 presenter from China)			Room 103, No.26 Building, Block B
9:45 ~ 11:00	Short oral for selected posters (15 presenters)	9:45 ~ 11:00	Residential Lighting Session (Joint study team)	Room 103, Room 203, No.26 Building, Block B
11:00 ~ 12:00*	Poster session (65 papers)			Block B Hall, Building 26
11:30 ~ 12:50	Lunch			3F, No.4 Students Cafeteria
13:00 ~ 14:45	Oral Session 1 (7 presenters)	13:00 ~ 14:30	Oral Session 3 (6 presenters)	Room 103, No.26 Building, Block B (Oral Session 1&2)
14:45 ~ 15:00	Coffee Break	14:30 ~ 14:45	Coffee Break	
15:00 ~ 16:15	Oral Session 2 (5 presenters)	14:45 ~ 16:15	Oral Session 4 (6 presenters)	Room 203 ,No.26 Building, Block B (Oral Session 3&4)
16:30 ~ 17:00	Awarding & Closing Ceremony			Room 103, No.26 Building, Block B
17:10 ~ 19:30	Banquet (Jin Cai 's Evening)			Pengtiange Restaurant
19:30 ~ 21:30	Night tour			

* Lunch will start at 11:30, you can go to cafeteria by your self-arrangement.

Session Program

August 22, 2014 (Friday)

Time	Contents			Place	
8:00 ~ 14:00	Registration			Room 118, No.26 Building, Block B	
14:00 ~ 14:15	Opening Ceremony		Speaker	Room 103, No.26 Building, Block B	
	Opening Address	Chairman of Conference Committee	Luoxi Hao		
	Congratulatory address	Vice-president of Tianjin University			Yingjin Yuan
		Representative of CIES			Huai Xu
		Representative of IEIJ			Akira Sudo
Representative of KIIEE		Jae-man Ryu			
14:15 ~ 17:30	Workshop				
	Time	Title	Speaker	Session Chairman	
	14:15 ~ 15:15	The Existing Circumstances and Energy-saving Potential of The Department Store in China		Xin Zhang	Nianyu Zou
		The impact of Big Data on the research in Green lighting		Hua Yao	
		Education program and practices on the major of Light Sources & Lighting in Dalian Polytechnic University		Nianyu Zou	
		Lighting Design in the Digital Projection Era		Aiyang Wang	
	15:15 ~ 16:15	The preliminary study on health lighting at Chinese Antarctic Station		Luoxi Hao	Hiroki Noguchi
		Interior lighting environment		Hoom Kim	
		Reducing energy consumption by reflecting the human visual characteristics		Naoya Hara	
	16:15 ~16:30	Coffee Break			
	16:30 ~17:30	Expectations of the Future Lighting	WooJing Jang	WooJing Jang	
17:30 ~18:30	Poster Session (65 papers)			Block B Hall, Building 26	

Session Program

August 23, 2014 (Saturday)

Time	Contents				Place
9:00 ~ 9:40	Key-Note Presentation				Room 103, No.26 Building, Block B
	No.	Title	Speaker		
	I-01	Health Lighting and Innovative Applications of LEDs on Human Habitats	Luoxi Hao		
9:45 ~ 11:00	Poster session I - Short Oral Presentation(15 presenters)				Place
		No.	Title	Speaker	Session Chairman
	9:45~9:50	SO-01	Research on Angular Chromaticity Uniformity for LED Lighting Products	Wei Zhang	Aiyang Wang
	9:50~9:55	SO-02	Effect of Retinal Eccentricity and Duration on the Effective Intensity of Flashing Lights	Nakamura Satoshi	
	9:55~10:00	SO-03	The Analysis of the Driving Circuit Design Parameters for the High Dimming Resolution of the LED Engine Module	Jung Kwang-Hyun	
	10:00~10:05	SO-04	New Sharpened Sensors by Spectral Sharpening with Mixed and Illuminant Reversed Datasets	Shengyan Cai	
	10:05~10:10	SO-05	Digital Control for Interleaved PFC Boost Converter	Yuji Fukaishi	
	10:10~10:15	SO-06	Analysis of Indoor Lighting and Optimized Lighting Control System	Jae-Man Ryu	
	10:15~10:20	SO-07	"Song Dynasty" Painting Art Application of Artistic Conception Expression in China Landscape Lighting Design	Ti Zhou	
	10:20~10:25	SO-08	Improvement in Weight of High Wattage LED Floodlight for Outdoor Use	Heyu Sun	
	10:25~10:30	SO-09	Integrated Heatsink with COB-type LED on Triangular Prism Body for Automotive Headlight	Sun-O Park	
	10:30~10:35	SO-10	Study the Transmittance Properties of Light Sources under Simulated Hazy Condition	Yu Tang	
	10:35~10:40	SO-11	Low Power Consumption LED Replacement Floodlight for Stadium Applications	SUZUKI Katsuya	
				Room 103 Block B, Building 26	

Session Program

August 23, 2014 (Saturday)

Time	Contents				Place
	No.	Title	Speaker	Session Chairman	
10:40~10:45	SO-12	Evaluation of System Performance for the Integrated Daylight Responsive Dimming LED System with a Blind PV System in Terms of Method Controlling Height and Slat Angle	Ho-Young Choi	Aiyng Wang	Room 103 Block B, Building 26
10:45~10:50	SO-13	The Investigation of Classroom Lighting Conditions of Dalian Polytechnic University	Na Wang		
10:50~10:55	SO-14	Low Noise LED Lighting Circuit by Linear Regulator System	Kota Okajima		
10:55~11:00	SO-15	A Study on the Lighting Design for the Shop Fronts of a Korean Traditional Market	HyeKyung Kang		

Session Program

August 23, 2014 (Saturday)

Time	Contents					Place
9:45 ~ 11:00	Residential Lighting Session (Joint study team)					Room 203 Block B, Building 26
		No.	Title	Speaker	Session Chairman	
	9:45~10:00	RR-01	Progress of LED's Applications in Residential Lighting in China	Yuan Fang	Nianyu Zou, Tomoko Iwata, In-sung Kim,	
	10:00~10:15	RR-02	Degree of the Brightness Satisfaction with Working Surface Illuminance and Facial Illuminance on the Various Acts from the View-point of the Living Style in Japan	Kunishima Michiko		
	10:15~10:30	RR-03	A Study on the Lighting Environment and Living Activity in the Living Rooms of Korean Housing	Okhee An		
	10:30~10:45	RR-04	Investigation and Evaluation of Nighttime Light Trespass Environment of Urban Residential Areas	Juan Yu		
	10:45~11:00	RR-05	A Reach on the LED Lamp Usage of Koreans	In-sung Kim		
11:00 ~ 12:00	Poster Session II- Poster Presentation					Place
	65 posters					Block B Hall, Building 26
11:30 ~ 12:50	Lunch					3F, No.4 Students Cafeteria
13:00 ~ 14:45	Oral Session 1 (7 presenters)					Place
		No.	Title	Presenter	Session Chairman	Room 103 Block B, Building 26
	13:00~13:15	OR-01	Human Eyes Comfort Study in Different Color Temperatures of LED Lighting	Jianqi Cai	Hoon Kim, Gang Liu	
13:15~13:30	OR-02	A Development of Optical & Emotional Characteristics Evaluation Methods and User Centered Guidelines for Office Applications in LED System Lighting	Meeryoung Cho			

Session Program

August 23, 2014 (Saturday)

	No.	Title	Speaker	Session Chairman	Place
13:30~13:45	OR-03	Phosphor Design in Light-emitting Diode Package	Ki Hyun Kim	Hoon Kim, Gang Liu	Room 103 Block B, Building 26
13:45~14:00	OR-04	The Survey Research of Existing Office Buildings in Cold Regions of China	Gang Liu		
14:00~14:15	OR-05	Healthy Lighting Application in ICU Based on Visual Comfort	Junli Xu		
14:15~14:30	OR-06	Quantitative Analysis of the Relationship between Illuminance Distribution of Road Surface and Psychological State for Street Lighting Design	Akizuki Yuki		
14:30~14:45	OR-07	Design Indices for Functional Lightings	Ming Ronnier Luo		
14:45 ~ 15:00	Coffee Break				
15:00 ~ 16:15	Oral Session 2 (5 presenters)				Place
	No.	Title	Speaker	Session Chairman	Room 103 Block B, Building 26
	15:00~15:15	OR-08	A Comfort-brightness Evaluation System for Room Lighting	Qianying Dai	
	15:15~15:30	OR-09	Effects of Display Screen Type on Perception and Visual Performance	Yandan Lin	
	15:30~15:45	OR-10	A Preliminary Study on the Evaluation Method of Discomfort Glare by Trespass Light	Yun-Ju Sim	
	15:45~16:00	OR-11	The Effect of the Interior Surface Reflectance on Appropriateness of Task and Ambient Illuminance in the Constant Method	Hara Naoya	
	16:00~16:15	OR-12	The Mobile Spectral Measurement Technology in New Lighting Era	Tiankai Zhu	
				Ming Luo, Kwashima	

Session Program

August 23, 2014 (Saturday)

		Oral Session 3 (6 presenters)				Place
		No.	Title	Speaker	Session Chairman	
13:00 ~ 14:45	13:00~13:15	OR-13	Age Difference in Comfortable Lighting Study on Illuminance and Correlated Color Temperature for Age Groups and Type of Home Space Composition	Ikegami yoko	Yiping Cui, Meeryoung Cho	Room 203 Block B, Building 26
	13:15~13:30	OR-14	Residential Lighting Survey: Comparing Actual Conditions of LED Use and Lighting Knowledge in Kansai and Chongqing	Tomoko Iwata		
	13:30~13:45	OR-15	Lighting Condition and Demands to Lighting Environment in the Residential Living Room – Comparison between the Elderly and the Young	Miyamoto Masako		
	13:45~14:00	OR-16	Improving the Impression of Spatial Brightness by High FCI Illuminants	Tohru Himeno		
	14:00~14:15	OR-17	A New LED Light Source System with Uniform Illumination for the Line-scan CCD Imaging System	Lianlian Zhang		
	14:15~14:30	OR-18	Implementation to Provide Individual Lighting Environment in the Intelligent Lighting System Only Using Illuminance Sensor by Illuminance and Color Temperature Linked Control	Risa Kawashima		
	Coffee Break					
		Oral Session 4 (6 presenters)				place
		No.	Title	Speaker	Session Chairman	
14:45 ~ 16:15	14:45~15:00	OR-19	LED Module Design for LED System Lighting	Hoe-Min Kim	Shuxiao Wang, Motoharu	Room 203 Block B, Building 26
	15:00~15:15	OR-20	Development and Analysis on Area Luminaire to Prevent Light Pollution	Jung-su Gil		
	15:15~15:30	OR-21	Analysis of Tunnel Lighting Calculation Using Lumen Method	Yoo Seong-sik		

Session Program

August 23, 2014 (Saturday)

		No.	Title	Speaker	Session chairman	Place
	15:30~15:45	OR-22	A Study on Making Ex-ante Evaluation of Domestic Security Lighting through Analysing Photometric	Lee Young-Jin	Shuxiao Wang, Motoharu	Room 203 Block B, Building 26
	15:45~16:00	OR-23	Effect of Partition Color on Office Worker's Preferred Illuminance and Color Temperature	Masahiro Kusumoto		
	16:00~16:15	OR-24	Measurement and Analysis of Daytime Luminance in Tunnel Access Zones	Lee Sejong		

Poster Session (65 Posters)

August 22, 17:30~18:30, August 23, 11:00~12:00

No.	Title	Author(s)	Place
PT-01	A Study of LED on Traditional Chinese Painting Exhibition in Museum Based on the Theory of Visual Perception	Guojian Hu	Block B Hall, Building 26
PT-02	Essences of 'LM-80, LM-84' and 'TM-21, TM-28' and Significance of Lumen Depreciation Test Assessment of LED Luminaire	Shiming Lu	
PT-03	Experimental Study on Chinese Preferences for Living Room Lighting in Relation to Gamut Area Index and Colour Rendering Index	Yaodong Chen	
PT-04	LED Eco Renovation- An Example of Store Lighting	Yasuyuki Oyagi	
PT-05	The Characteristics Evaluation of LED Package's Phosphor Coating Methods	Jung-Geun Lee	
PT-06	Influence of Illumination Level on the Visibility of the Stroboscopic Effect	Lili Wang	
PT-07	The Discussion of the Subjective Evaluation Methodology about Lamp Chroma's Influence on TV Broadcast Image Quality	Binghua Li	
PT-08	The Effect of Light Distribution in the Room on Visual Comfort	Fan Lu	
PT-09	Study on the Consistency of the Lighting Design and the Architectural Style	Peiqi Li	
PT-10	RYB Color OLED Lighting Improvable Visual Acuity and Eyesight Damage Caused by Presbyopia	Yuji Sano	
PT-11	Study Regarding Disability Glare Assessment Method Using Luminance Distribution Images	Yamada Tetsuji	
PT-12	Simulating Color Perception of Different Age Groups	Chan-Su Lee	
PT-13	Measurement and Analysis of the Photobiological Safety of Ultraviolet Cooker Hood	Min Cheng	
PT-14	Visual Environment Evaluation System of Subway Station Space	Fengqun Guo	
PT-15	Research about the Detection of LED Lamp Beads' Light and Color Parameters	Danping Yun	
PT-16	Measurement and Study on the Sky Luminance Distribution in Beijing	Tao Luo	
PT-17	Discussion on the Measurement Method of LED Spotlight in EMU Train Carriage	Wei Kong	
PT-18	Daylight Coefficient Computation Method for the Efficiency of Tubular Daylight Device	Shuxiao Wang	
PT-19	Verification of the Perez Sky Model in China	Aiying Wang	
PT-20	The Effect of LED Supplemental Lighting System for the Growth of <i>Dendrobium Officinale</i> Kimura et Migo	Xuesong Zhu	
PT-21	Research on the Energy-saving Management of Diurnal Illumination Matching the Daylighting in Office Space	Jingyu Yuan	
PT-22	LED Module Design of a High Power	Hongyi Zhong	
PT-23	Research Dynamic of Office Healthy Lighting Based on Non-visual Effects	Meiqi Fu	
PT-24	Design of LED Art Installation in the Department of Cardiology Based on Emotional Effect	Meng Zhang	
PT-25	LED Lighting, the Ideal Lighting for Tomorrow So Far	Tianyi Li	
PT-26	Current Status and Direction Investigation of Lamp Selection	Ye Ma	
PT-27	An Imaging Method for Measuring Room Appearance	Muhammad Safdar	

Poster Session (65 Posters)

August 22, 17:30~18:30, August 23, 11:00~12:00

No.	Title	Author(s)	Place
PT-28	The Analysis of Concession Building Blocks Night Scene Illumination Design in Contemporary Tianjin ——Taking the Illumination Design of Tianjin Italian Custom Area for Example	Xuwen Chen	Block B Hall, Building 26
PT-29	Intelligent Lighting Control System for Office Building	Wenjie Yin	
PT-30	Analysis on Core Shoreline Urban Nightscape Lighting Design——Take the Nightscape Planning Design of the Minjiang River Core District for Example	Ping Lu	
PT-31	The Effect of Colour Rendering and Duv on the Quality of Museum Lighting	Qiyang Zhai	
PT-32	Research of Current Lighting Situation and Simulation Analysis in High Speed Rail Station	Chenyi Lin	
PT-33	Appropriate Condition of Dynamic Lighting for the Show Window	Matsushima Koji	
PT-34	The Importance of Vertical Illuminance of Light on the Visibility of Obstacles in a Tunnel	Masayoshi Kimura	
PT-35	Analysis of Discomfort Glare for Indoor Luminous Environment in Ship	Sanghee Cho	
PT-36	High Power Factor LED Lighting Drive Circuit Compatibility Triac Dimmer and Corresponding to the Flicker Free	Hyun-Sik Kim	
PT-37	A Study of AC Direct Type LED Driver for High Efficiency and Flicker-free Satisfied	Ki-Won Kim	
PT-38	High Efficacy Linear LED Luminaire Consisting of Exchangeable Two Parts - A New Line-up of E-CORE™ AQ series™	Tsuji Hiroya	
PT-39	Study on Thermal Properties of High-power LED Searchlight Module	A Ram Lee	
PT-40	Study on the Thermal Performance of Thermal Conductive Plastic for LED Lighting	In Sung Her	
PT-41	Development of Interlligent LED Lighting & Energy Saving Control Management System Energy-saving Substantiation Test	Chang-yeon Lee	
PT-42	In 2013 China Eliminated the Effect the of Incandescent Lamp	Yuejin Zhao	
PT-43	Microstructure and Thermal Properties of High-performance SiC Reinforced Al Composite for LED Lighting Application	Xiaosong Hong	
PT-44	Experimental Methods of Circadian Lighting	Kun Zeng	
PT-45	The Existing Circumstances and Energy-saving Potential of the Department Store in China	Xiabing Wu	
PT-46	Parametric Study on the Optical Characteristics of Transparent Water Storage Envelopes	Xiangfeng Liu	
PT-47	Study on City Illumination Design Based on the User Experience	Quan Chen	
PT-48	The Study on Artificial Light Source Spectral Energy Distribution for Garden Plant	Ran Duan	
PT-49	JiuHua Mountain Dayuan Cultural Park Landscape Illumination Design	Haiyan Chen	
PT-50	About the Megacity Night Planning - Night Planning in Shanghai as an Example	Youjiang Wang	
PT-51	The Value of Lighting Design	Haolei Rong	
PT-52	Comparison of Visual Fatigue under LED and Fluorescent Lighting Conditions	Qing Wang	
PT-53	One Consideration about the Gas Lighting as Tourism Resources in Japan	Akihiro FUSHIMI	

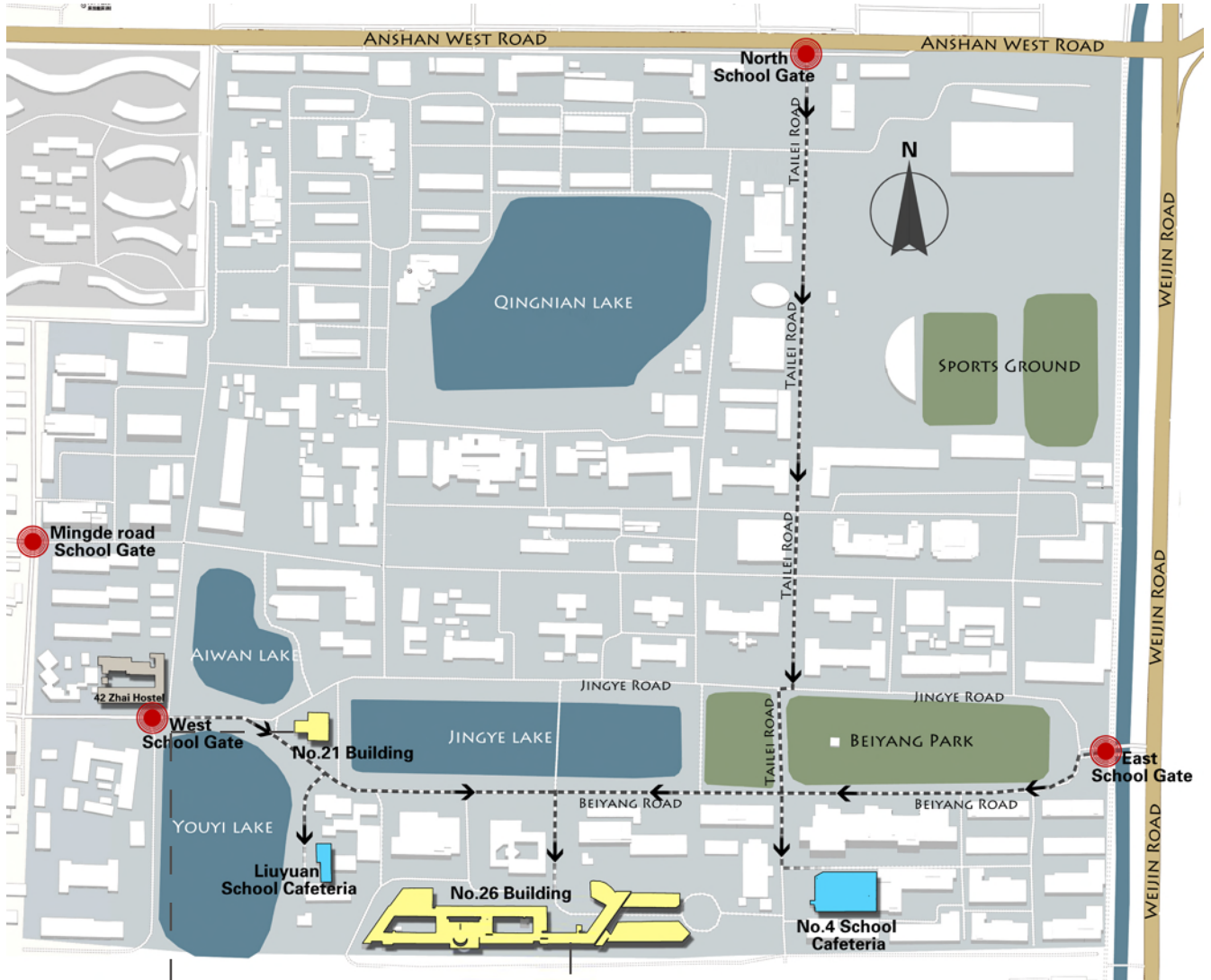
Poster Session (65 Posters)




August 22, 17:30~18:30, August 23, 11:00~12:00

No.	Title	Author(s)	Place
PT-54	Art by the Transmitted Light: Lighting Creation "Akari-Painting"	Erina MORIMACHI	Block B Hall, Building 26
PT-55	Fantastic Illuminations of the Winter Season: Rustic Town "Kawayu-Onsen" by Snow Light	Kisa NAKATA	
PT-56	Actual Conditions of Disability Glare in the Daily Life	Ueno, Takako	
PT-57	Development of Visible Light Activated WO ₃ -System Photocatalyst and Its Application to Purification of Indoor Environments	Kayo Yoshida	
PT-58	Cultural Fusion in Japan and France: "Macaron Art by Lighting Projection"	Makiko YOSHIHARA	
PT-59	UV Output Characteristics of an HG-Free Lamp Excited by Microwave Energy	Yuji Oda	
PT-60	Saving the Lighting Energy of the Railroad Vehicle (For the KTX Type TGV)	Og-Goo Kang	
PT-61	Implementation of an Ubiquitous Sensor Network-based Control System for Greenhouse-style LED Plant Factory	Dong Sik Kim	
PT-62	Study of the Optical Design Method for Secondary Lens of LED Luminaires	Kim Sung-Joong	
PT-63	Night Landscape Lighting Plan of Environmental Artwork within Apartment Complex	Bin Hyung-Kyung	
PT-64	Analysis on the Lighting Environments Evolution in Living Rooms in China	Jiali Jiang	
PT-65	Light Play House - Architectural Lighting Design Teaching with Model	Hong Lin	

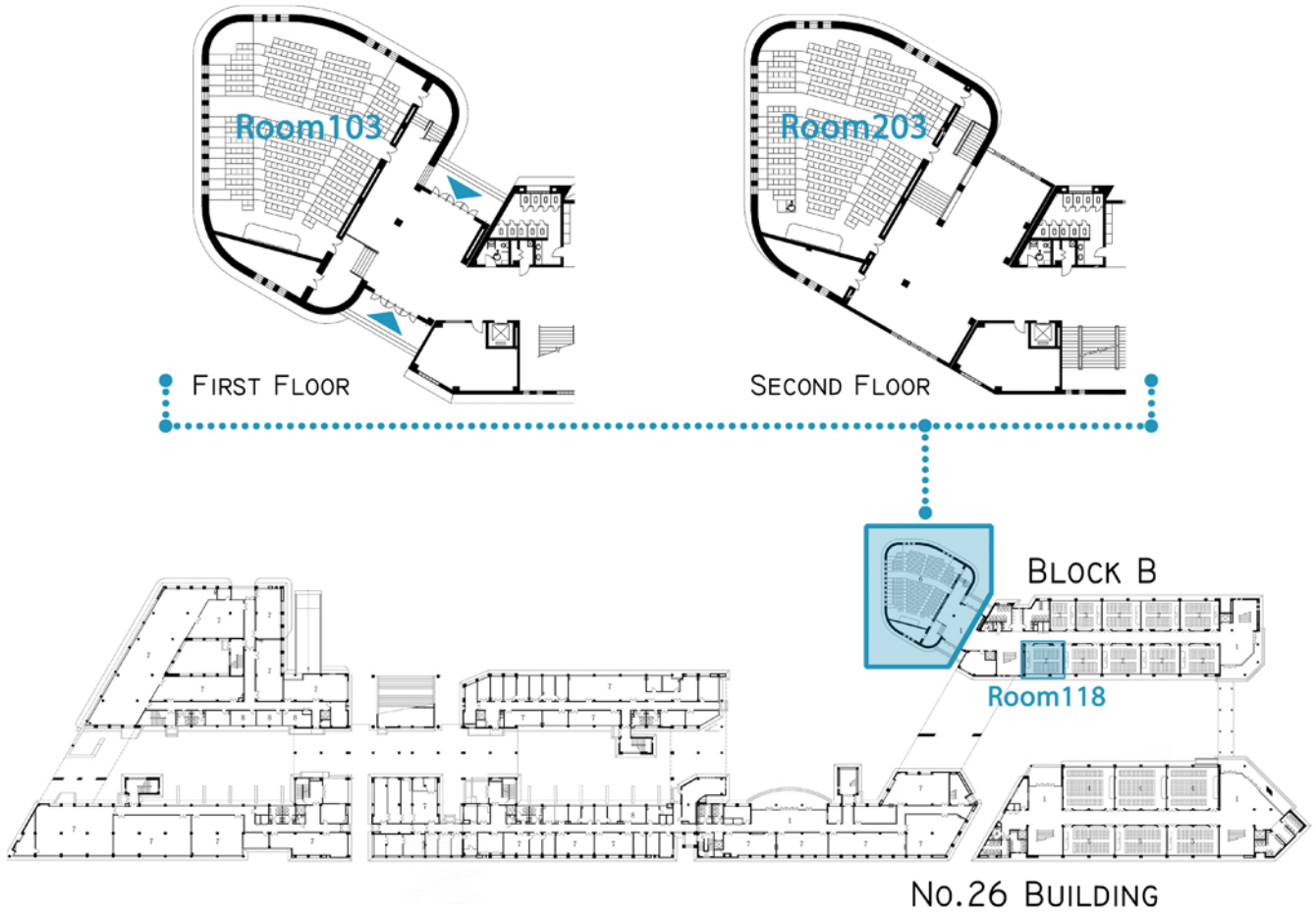
Venue Layout

Tianjin University Map

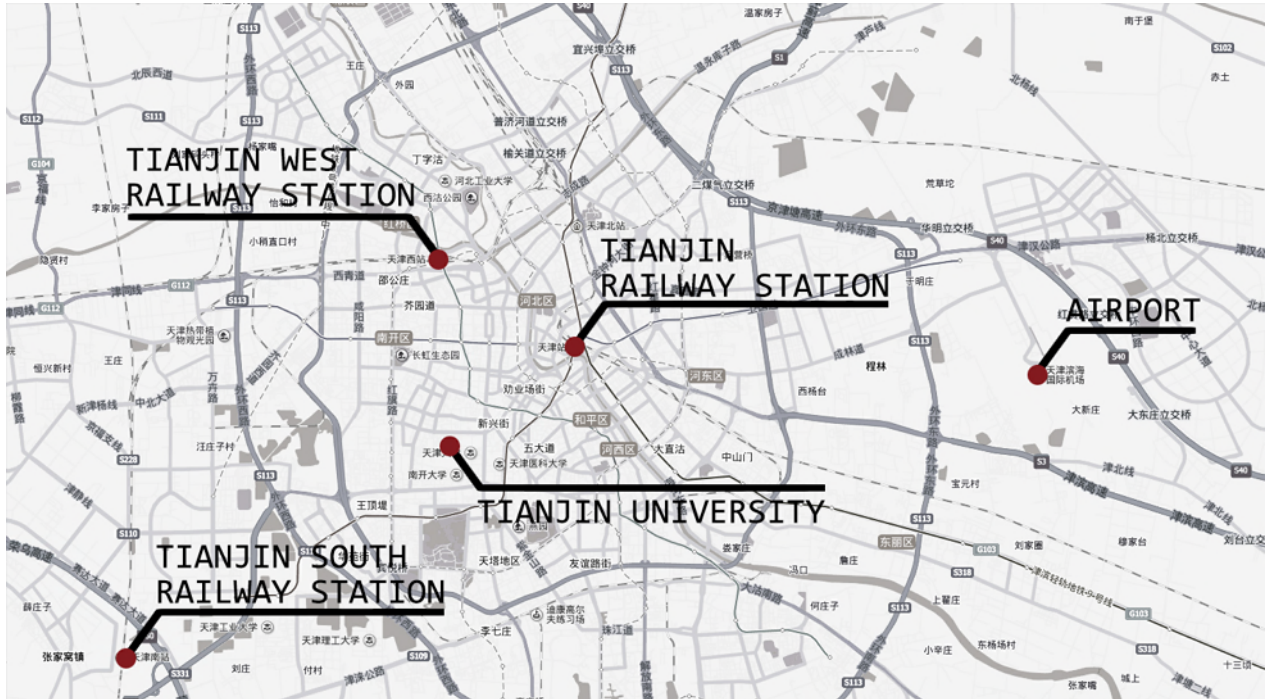


-  School Gate
-  Conference Venue
-  Dining Place

Venue Layout



Transportation Info



Tianjin East Railway Station(Tianjin Railway Station)	Bus: (to the east gate of TJU)No.832, No.8
	Bus: (to the north gate of TJU)No.850, No.650
	Subway: Line 3, Xikang Rd, Walk 1.5km to reach, about 25min
Tianjin South Railway Station	Taxi: About 7.3km, 20min, ¥ 18
	Bus: (to the east gate of TJU)No.707
	Subway: Line 3, Xikang Rd, Walk 1.5km to reach, about 25min
Tianjin West Railway Station	Taxi: About 15.6km, 30min, ¥ 40
	Bus: No.161
	Subway: No direct line
Tianjin Binhai International Airport	Taxi: About 7.5km, 15min, ¥ 20
	Bus: No direct line
	Subway: No direct line
	Taxi: About 23km, 40min, ¥ 60

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TJU, TIANJIN, CHINA

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