

guangzhou international
lighting exhibition

广州国际照明展览会

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THINKLIGHT: Envisage The Next Move

思索照明 — 攻与守

9 – 11.6.2019

China Import and Export Fair Complex
Guangzhou, China



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guangzhou international lighting exhibition

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Event Theme

Vast changes in the lighting industry have led to the convergence of distinct technologies, industries and devices. Today, those in the lighting community have to consider many complex factors while making their next move. GILE offers a dynamic hub for the lighting industry to learn and share ideas across different disciplines and sectors, establishing dialogue about strategies for a new, complex and ever-changing market place.

Lighting beyond illumination

By embracing the digital transformation, the lighting industry has been bestowed with new opportunities to create lighting that is smart, sustainable and connected and which is able to collect data and communicate. Intelligent lighting controls, predictive management, space and occupancy analytics, beacon networking among many other applications have created additional value to the basic illumination function of a lighting fixture.

In addition to the technological aspect, there has been a change in the business model of the lighting industry. Lighting vendors no longer sell light bulbs but sell lighting-as-a-service based on IoT connectivity. New lighting applications like automotive LEDs, small interval LEDs, horticultural lighting, UV and IR LEDs offer new possibilities for the industry.

The latest cutting-edge technologies and solutions will be showcased throughout the 19 halls comprising the exhibition while the concurrent event programme will invite industry experts from around the world to delve deeper into the latest industry trends and developments.

The fundamentals of light

In the midst of industry-wide change, many people are taking a moment to consider the fundamental purpose of lighting – illumination. While lighting has become the primary choice of carrier of IoT data and is forming the backbone of smart buildings and cities, the critical factors of good quality lighting such as colour, glare and flicker must not be diminished. The 2019 show seeks to encourage the industry to use technology with care and find a balance between the desire for low-cost, low-energy solutions with the need for exquisite lighting that is beneficial to people's needs and comfort.



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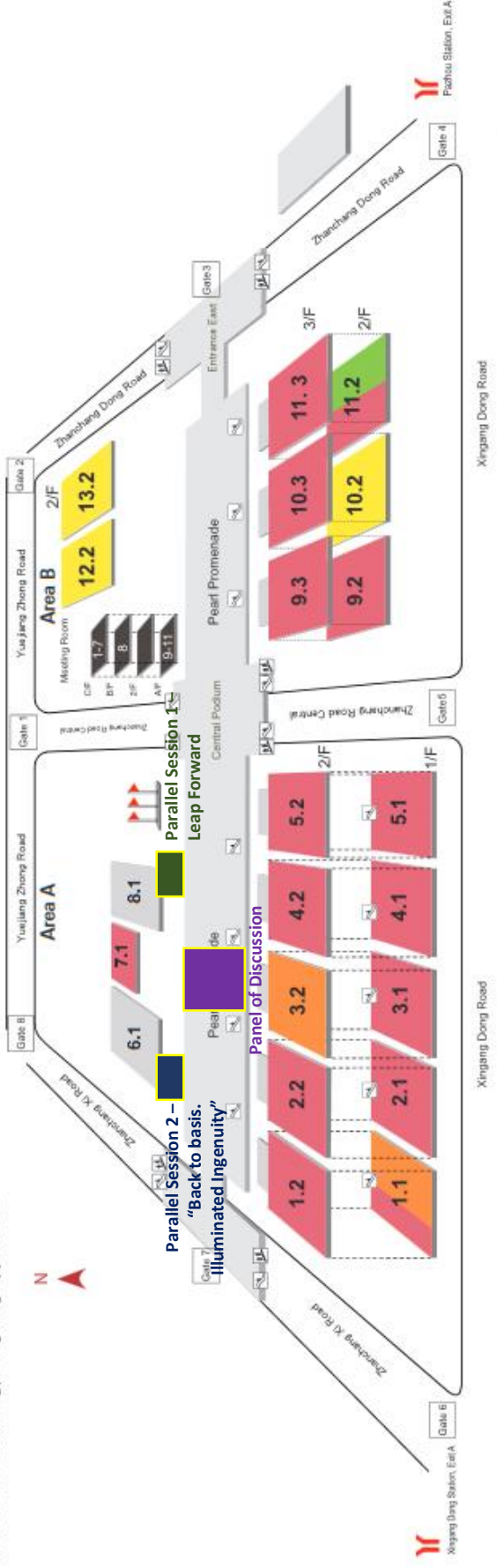
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9 – 12 June 2019
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2019 Hall overview plan

Comprehensive product range
Area A: Equipment & Component + Lighting Application
Area B: LED Technology + Lighting Application



Area A	
Level 1	<ul style="list-style-type: none"> Hall 1.1: Manufacturing / Testing / Measurement Equipment and Components Hall 2.1: Brand Name Hall for Commercial Lighting Hall 3.1: Brand Name Hall for Urban Lighting / Architectural Lighting and Electronic Lights Hall 4.1: Brand Name Hall for Urban Lighting / Architectural Lighting Hall 5.1: Brand Name Hall for Urban Lighting / Architectural Lighting Hall 7.1: LED Lighting
Level 2	<ul style="list-style-type: none"> Hall 1.2: Residential Lighting Hall 2.2: Residential Lighting / Commercial Lighting Hall 3.2: Lighting Accessories and Electronic Components Hall 4.2: Urban Lighting / Architectural Lighting and Electronic Lights Hall 5.2: LED Urban Lighting / Architectural Lighting

Area B	
Level 2	<ul style="list-style-type: none"> Hall 9.2: Brand Name Hall for Architectural and Landscape Lighting Hall 10.2: Brand Name Hall for LED Chips and Packaging Hall 11.2: Smart Lighting, LED Displays and Signage / Overseas Pavilions, LED Technologies & Lighting Applications Hall 12.2: LED Drivers and Driver ICs Hall 13.2: LED Drivers, Driver ICs and Electronic Components
Level 3	<ul style="list-style-type: none"> Hall 9.3: LED Residential Lighting Hall 10.3: LED Commercial Lighting Hall 11.3: LED Urban Lighting / Architectural Lighting

Lighting Accessories, Components & Equipment
<ul style="list-style-type: none"> - Lighting Accessories - LED Packaging Components - Electronic Components - Optical Components - Measurement Equipment - LED Packaging Equipment - Testing Equipment

LED Technologies
<ul style="list-style-type: none"> - LED B Light Sources - Power Supply, Drivers and Electronics - LED Specialty Applications

Luminaires
<ul style="list-style-type: none"> - Residential Lighting - Commercial Lighting - Industrial Lighting - Urban Lighting / Architectural Lighting - Smart Lighting - LED Displays and Signage

Overseas Pavilions, LED Technologies & Lighting Applications
<ul style="list-style-type: none"> - Hong Kong Pavilion - Korea Pavilion - Taiwan Pavilion - US Pavilion

Floor plan as of March 2018, subject to change without prior notice



THINKLIGHT: Envisage the next move

Panel of Discussion – What is next for lighting?

New Era

Embracing the new era of AIoT and 5G, the lighting industry encompasses a broad sense as well as builds up cross partnership in digital system.

- Era of AIoT – Light delivers value beyond illumination
- The new 5G era – Lighting system will be informative, sensory and integrated with everyone

New Lifestyle

The evolving digital technologies allow us to reinvent the ways in which the lighting is designed, installed and perceived in built environments and cities. Interactivity, personalization, well being and the human centric concept have become influential elements to consider. Connected lighting future simplifies our lives through space management, remote monitoring, predictive maintenance, tracking, indoor navigating, dynamic lighting, advance parking and energy management.

- Today's Retail – Enhance experience, engage customers, improve sustainability
- Today's City – Safe, sustainable, marketable and smart
- Today's Home – Comfort, personalized and smart

Break away from Red Ocean

Since 2015, the LED lighting market has caught in a tug of war between the Chinese and international companies which pursues low cost strategies and maximizes the profit. Going forward, how could industry players apply different strategies to break way from the “red sea”?

- Illuminated ingenuity – Creative ingenuity, technical ingenuity
- Craftsmanship – Quality and specialization
- Counter-market expansion
- Globalisation

Panel of Discussion What is next for lighting?

9 June 2019

New Era

10:15 – 12:15	New Era – What is next for lighting?	Signify OSRAM OPPLE
<p>MC: Prof Horng-Ching Hsiao Era of AIOT – AI machine learning analyses data, makes assumptions, learns and provides predictions. The new technology comes with endless possibilities and more personalized lighting solutions. Digitalisation enables new modes of lighting and unlocks the potential of light. The innovative applications of light bring new experience and enhance the quality of life. Light lights up your life.</p>		
12:15 – 13:30	Digitalisation and get connected	OSRAM
13:30 – 14:45	How cloud computing evolves smart lighting?	Session Moderator: Mr Zhen Guan Principal Technical Evangelist Microsoft (China) Co Ltd
	Panelists: Ms Yan Xing, VP, Gizwits Mr Jason Chou, Co-founder & CEO, MIX Cloud	
14:45 – 16:00	The future of light	Mr Zhaoning Jiang Co-founder Yeelight
16:00 – 17:15	Personalized smart home lighting lights up your day	OPPLE

Panel of Discussion What is next for lighting?

10 June 2019

New Era

The new 5G era: 5G is happening faster than we expected. Devices with 5G network are lower latency and more reliable. It enables faster and better transmission of larger data streams. It will bring the ability of interconnecting everything into full play.

10:00 – 11:15	Era of Internet of light – Smart lighting redefines light	Signify
	Panelists: Mr Mengming Yao, Head of Specifications, Signify China Ms Diana Lu, Head of Product Marketing Professional and End User Marketing, Signify Greater China Mr Xiu Yang, Director of Lighting Design, Tongji Architectural Design (Group) Co Ltd Ms Lemon Sun, Senior End-user Marketing Manager, Signify Greater China	
11:15 – 12:30	5G, Smart cities, Smart light poles	Mr Hailong Wang President Smart Pole Industry Association of Shenzhen
12:30 – 13:45	Internet of light with cloud-network integration, applications and communication	Session Moderator: Dr Feng Yuan Standing Deputy Director Institute of Software Application Technology, Guangzhou & Chinese Academy of Sciences (GZIS)
	Panelists: Dr Charles Wu, Assistant to the Chairman, CAS Smart City (Guangzhou) Info Tech Co., Ltd. Dr Gui Fu, Chairman, Guangdong Infobay Genlord Science and Technology Consulting Co. Ltd. Mr Longzhao Wu, Chief engineer, Guang Dong Planning and Designing Institute of Telecommunications Co., Ltd. Mr Cheng Wang, Marketing Director, Oppl Lighting	
13:45 – 15:30	When 5G meets smart lighting infrastructures	Mr Jiayu Zheng Executive Director China Big Data Application Alliance & Wisdom Lamp Pole Alliance
	Panelists: Mr Hawke Liu, General Manager, China Communication Service Application and Solution Technology Co Ltd Ms Zhiying Guo, Vice General Manager, Beijing Bodadianxintong Network Technology Co Ltd Mr Tai Liu, Deputy Manager of Department of Product & Infrastructure, China Academy of Information and Communication Technology, China Telecommunication Technology Labs – System Ms Alina Zhang, General Manager, Shuzhi (Beijing) IOT Technology Co Ltd Mr Kobe Hu, Assistant President, President of Southern Region, Guodong Group	
Doing out of the box, building a smart ecosystem era – in the generation of rapid technology development and product upgrading, resources integration and cross-border cooperation have become a major development model for smart lighting. Hitherto, the LED development formed an industrial chain includes epitaxy, chips, package, lighting, smart control system, sensor system and software. It has shown the cross-border integration ability of the industry, and upgraded the lighting application.		
15:30 – 17:15	Smart lighting and industry convergence	Shanghai Pudong Intelligent Lighting Association
	Panelists: Mr Zhijun Li, President, Shanghai Pudong Intelligent Lighting Association Mr Xing Cheng, Smart Terminal Staff Product Manager, Alibaba AI Labs Mr Alex Yang, Co-founder & COO, Tuya Dr Haitao Liu, General Manager, Feihui Lighting Technology (Shanghai) Co Ltd	

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Panel of Discussion What is next for lighting?

11 June 2019

New Lifestyle

Today's Retail – Enhance experience, engage customers, improve sustainability

10:00 – 11:15	Today's Retail – Enhance experience, engage customers, improve sustainability	Mr King Au Yeung CEO Display Community
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A new era of landscape lighting – The best practices for successful IoT deployment
This session will focus on how to fully utilize internet of things to landscape lighting projects. With the use of the new technology, landscape lighting showcases local culture, encourages night-time economy and promotes sustainability.

11:15 – 12:30	The new era of landscape lighting	Session Moderator: Mr Martin Klaasen Director Klaasen Lighting Design
	Panelists: Mr James Wallace, Design Director, LightPlan Ms Chanyaporn Bstieler, Asso. Professor, King Mongkut's University of Technology Thonburi Representative of LUCI Association	

MC: Mr James Wallace, Design Director, LightPlan
Master sharing series

12:30 – 13:20	Transforming architectural lighting to architectural media	Mr Brad Koerner Founder Koerner Design
13:20 – 14:10	The inspiration of success in life	Mr Tino Kwan (TBC) TINOKWAN Lighting Consultants Ltd
14:10 – 15:10	Lighting powers of ten: Methodology for different scales of lighting design	Mr Enrique Peiniger Founder and Chief Innovator Office for Visual Interaction

Real estate and lighting

15:10 – 16:10	The relationship between lighting designers, architects and real estate management	DJSER.com
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11 Jun 2019

Break away from Red Ocean

16:10 – 17:30	Break away from red ocean, strengthen your business	Mr Qidong Wen Deputy Secretary General China Association of Lighting Industry
	Illuminated ingenuity – Creative ingenuity, technical ingenuity	Mr Songyan Xu President Hangzhou Yongdian Illumination Co Ltd
	Craftsmanship – Quality and specialization	Mr Dinglong Song Marketing Director Shanghai Sansi Technology Co Ltd
	Counter-market expansion	Mr Jianmin Wang Sales Director HC SemiTek Cooperation



THINKLIGHT: Envisage the next move

Parallel Session 1 – “Leap Forward”

Era of 5G

Digitalisation

- Controls, platforms, communication protocols, end users, designers (real estate & hospitality)

New materials

- Materials for illumination
- Light guide materials
- Heat dissipation materials
- LED packaging materials

Technological innovation

Technology

Micro LEDs, mini LEDs, invisible light (UV / IR), visible light communication (LiFi), light source integration

Chips redefine lighting

Packaging, modules, application (CSP / DOB)

New applications

Horticultural lighting

Light sources, Illumination, Plant factories

Light for health

Technological difficulties, applications, standardisation

Parallel Session 2 – “Back to Basics. Illuminated Ingenuity”

Illuminated ingenuity

- Creative ingenuity
- Technical ingenuity

Quality of light

- Colour consistency
- Colour rendering
- Colour maintenance
- Glare
- Flicker
- Shadow

Human-centric lighting

- Effect of lighting on mood
- Productivity
- Perception
- Visual acuity



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Parallel Session 1 – Leap Forward

9 June 2019

Technological Advancement – Micro LED / Mini LED / UV / IR / VCSEL / Laser Lighting

14:00 – 14:30	Latest research on Micro LED development	Prof Kei May Lau The Hong Kong University of Science and Technology
14:30 – 15:00	Latest research on laser lighting	Mr Keyuan Qian Graduate School at Shenzhen Tsing Hua University
15:00 – 15:30	Case study: Application of Li-Fi	Signify
15:30 – 16:00	The junction temperature of the VCSEL	Prof Haochung Kuo National Chiao Tung University

10 June 2019 (AM)

Smart Light Pole

10:00 – 10:30	China smart light pole installation and demand analysis	City of Nanjing
10:30 – 11:00	Alibaba Cloud and smart city development	Alibaba
11:00 – 11:30	Latest technology of smart light pole and its application	MS Technology
11:30 – 12:00	To be confirmed	China Southern Power Grid
12:00 – 12:30	How smart light poles help with smart city surveillance?	Mr Zhe Ma China Cityguard Security Group
12:30 – 13:00	What are the impacts of smart light pole to a city? How does it help with smart city development?	Panel of Discussion

Parallel Session 1 – Leap Forward

10 June 2019 (PM)

Smart Lighting Application

13:00 – 13:30	How does a smart system control lights?	Tridonic
13:30 – 15:30	Using Bluetooth lighting as a platform	Session Moderator: Ms Lori Lee Senior Regional Manager, Marketing, APAC Bluetooth SIG
	Bluetooth – Make the lighting smart and more	Mr Kai Ren Developer Relation Manager, APAC Bluetooth SIG
	Bluetooth mesh for commercial lighting applications	Mr Desmond Chan Sr Marketing Manager, IoT Products, APAC Silicon Labs
	Local speech recognition with mesh solutions	Mr Mason Song CEO Trusted Link Technology Limited
	Bluetooth mesh application and use cases in smart lighting	Mr Haoxiang Wang Director of Technology Shenzhen Jingxun Software Telecommunication Technology Co Ltd
	Tmall Genie SmartHome platform	Mr Jack Hu Senior Expert in IoT Alibaba AI Labs, Alibaba Group
15:30 – 16:00	DALI-2: The global standard for smart, digital, lighting control in the IoT era	Dr Scott Wade Technical & Certification Manager Digital Illumination Interface Alliance (DiiA)
16:00 – 16:30	The use of communication protocols in smart lighting systems	GRE-Alpha

Parallel Session 1 – Leap Forward

11 June 2019

Smart lighting application

10:00 – 10:30	Sensors for smart lighting	Dr Wei Ye Zhejiang University
10:30 – 11:00	Trends of high power LEDs	LUMLUX Corp.
11:00 – 11:30	How smart home lighting changes the real estate industry	To be confirmed
11:30 – 12:00	5G networks evolves smart lighting technology	Huawei Technologies Co Ltd

Interactive light art installation

13:30 – 14:15	The power of originality: Interactive light art installation projects	Mr Ben Oostrum
14:15 – 15:00	The best practices of light and shadows	To be confirmed
15:00 – 15:45	The use of light art in exhibition centres	Mr Yibin Yang
15:45 – 16:30	Case study: light festival	To be confirmed
16:30 – 17:00	Interactive light art installation: creativity	Prof Lijuan Kang South China Normal University

Parallel Session 2 – Back to basis. Illuminated Ingenuity

9 June 2019

Interior lighting design

14:00 – 14:30	How does China's consumption upgrade affect indoor lighting design?	J+B Studios Architecture Lighting (JBS - CN)
14:30 – 15:00	Lighting Design: An Interior Designer's Perspective	Gold Mantis, Suzhou, China
15:00 – 15:30	Smart lighting and a healthy living environment	Mr Alex Xu Chief Designer, Alex Xu & Partners International Design Consultant (HK) Co Limited
15:30 – 16:00	How to create a uniqueness of brand identity with interior design	Mr Carry Yu General Manager/ Design Director, CSLC
16:00 – 16:30	Top interior design trends 2019/2020	To be confirmed

10 June 2019

Cost & Efficiency

10:00 – 10:30	Fluorescent quantum dot – present and future	Prof Jiayu Zhang Southeast University
10:30 – 11:00	LED packaging material for better LED efficiency	Prof Yakai Feng School of Chemical Engineering and Technology Tianjin University
11:00 – 11:30	A new heat dissipation material with high thermal conductivity	Powide Thermolysis Technology Co Ltd

Quality & Design

14:00 – 14:30	The LED system product roadmap for human centric lighting	Signify
14:30 – 15:00	Packaging technology for high quality light source	To be confirmed
15:00 – 15:30	Three principles for lighting fixture design	Mr Xiaoguang Chen
15:30 – 16:00	Low carbon lighting fixture design	Mr Dewitt Chik President Low Carbon Design Society of Hong Kong

Parallel Session 2 – Back to basis. Illuminated Ingenuity

11 June 2019

Light for health

10:00 – 10:30	The impact of light to human	Mr Songlin Zhuang Chinese Academy of Engineering
10:30 – 11:00	Latest technological advancement in human centric lighting	Jiangsu Bree Optronics Co Ltd
11:00 – 11:30	How does photobiology influence lighting products?	Mr Jia Qu School of Ophthalmology & Optometry Wenzhou Medical University
11:30 – 12:00	Light for health: Trends and technologies	NATIONSTAR
14:00 – 14:30	Circadian rhythms and healthy light environment	Prof Guanrong Ye Department of Optical Engineering Zhejiang University
14:30 – 15:00	Illuminated Ingenuity - LED packaging technology	ShineOn (Beijing) Technology Co Ltd
15:00 – 15:30	Analysis and key technologies of healthy light environment	To be confirmed
15:30 – 16:00	Biological effects of light on humans	Prof Nengchung Hu Graduate Institute of Electro-Optical Engineering National Taiwan University of Science and Technology
16:00 – 16:30	The impact of artificial lighting to human	To be confirmed

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