

guangzhou international
lighting exhibition

广州国际照明展览会



THINKLIGHT: Embracing Changes

思索·照明 思索·变格

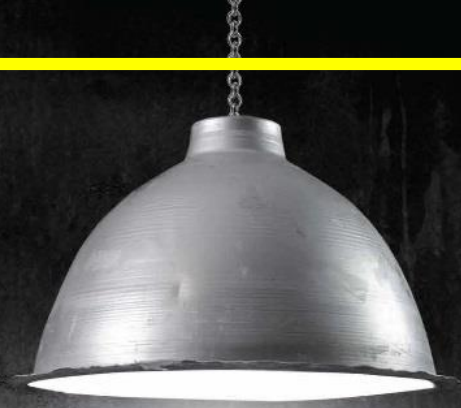
THINKLIGHT: Embracing Changes Forum
9 - 11 . 06 . 2018
China Import and Export Fair Complex
Guangzhou China



光亚·Guang ya



messe frankfurt



2018 Show Theme

THINKLIGHT Embracing Changes

Digital lighting has well and truly arrived. In recognition of these vast shifts in the market, the Guangzhou International Lighting Exhibition (GILE) will, for its 23rd edition, adopt the show concept of “**THINKLIGHT: Embracing Changes**”. As thoughts turn to how lighting can expand its scope by becoming fully connected and a “smart device”, the concept of human centric lighting and its myriad benefits is also earning greater recognition. GILE will continue to serve as a platform that gathers the best and the brightest from the lighting community in one place to explore new ways of tackling changes in the industry.

Explore new business opportunities and join us today.



THINKLIGHT: Embracing Changes Revolution of Solid-state Lighting

The transition to an LED future

LED technology has changed the lighting industry from analogue to digital. Being not only recyclable and possessing a long lifespan, LEDs are also easily integrated with controlling devices, leading to the significant development in connected and intelligent lighting technologies.

The combination of LED lighting technology with concepts such as augmented reality (AR), virtual reality (VR), Internet of Things (IoT) and big data has led to the emergence of many new application fields. Discussions within the industry today revolve around how lighting can expand its scope and become integrated into our day-to-day lives. For lighting vendors this entails a shift from selling light bulbs to selling a service that is based on IoT connectivity. New market segments such as automotive LEDs, small interval LEDs, horticultural lighting, poultry lighting, UV LEDs and IR LEDs are beginning to receive more attention from the industry.



THINKLIGHT: Embracing Changes LEDs and the IoT Community

LEDs and the IoT community – increasing intelligence beyond illumination

Integrating network connectivity and intelligence into LED-based luminaries helps form the backbone of smart buildings and cities and makes the vision of IoT feasible.

Increasing intelligence beyond illumination is being taken a step further with ‘semantic lighting’, a form of lighting that connects the physical and digital worlds. This revolutionary concept of lighting can adapt intelligently to different users, tasks and environments and can essentially become aware of what it is illuminating.



THINKLIGHT: Embracing Changes Human Centric Lighting

Human Centric Lighting – a new criterion for quality lighting

Human-centric lighting is also becoming more widespread. Helping to relax, alter moods and even to assist in getting a better night's sleep, human-centric lighting is changing the very way in which lighting is perceived and its role in human's everyday lives.



**THINKLIGHT: Embracing Changes
Let's "THINK" & "ACT"**

Stemming from this year's "THINKLIGHT: Embracing Changes" show theme, a two-part 2018 concurrent event programme will be comprised of "THINK" and "ACT".

THINK

The THINK forum will provide an overview of changes in the lighting industry from three perspectives; **CONCEPT, TECHNOLOGY and DESIGN.**

By fully grasping how changes are unfolding in lighting concepts, technological breakthroughs and lighting fixture design, the audience will better understand how to embrace these changes and how to effectively respond.

Date: 9 – 11 Jun 2018
Venue: Outside Hall 3.1,
Along Pearl Promenade,
Area A,
China Import and Export Fair Complex

ACT

The ACT forum will address how the industry can engage with these changes by providing real and practical solutions from experts and industry leaders.

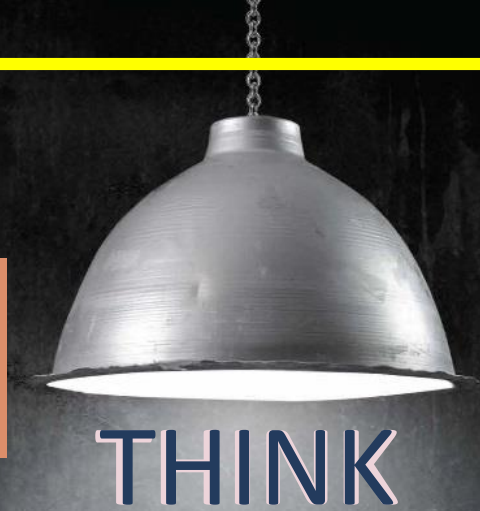
Technical issues related to smart lighting and LED technologies as well as new market applications including automotive LEDs, horticultural lighting and UV LEDs will all be examined.

Date: 9 – 11 Jun 2018
Venue: Opposite Hall 4.1,
Along Pearl Promenade,
Area A,
China Import and Export Fair Complex

THINKLIGHT: Embracing Changes

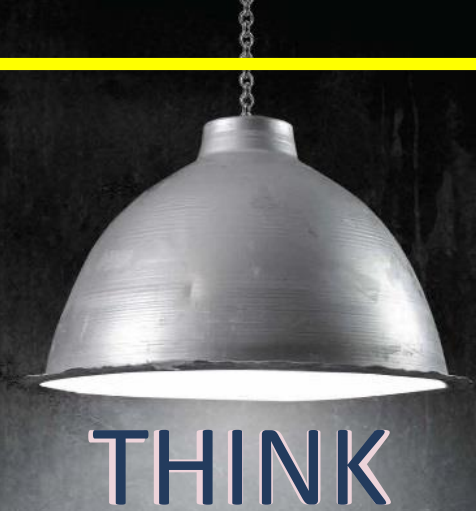
“THINK” Forum

09.06.2018; 09:30 – 17:00



09:30 – 10:00	Opening Ceremony 活动开幕式及欢迎致辞	
MC / 大会主持: Mr Guo-qing Tang / 唐国庆先生; Standing Committee of China Illuminating Engineering Society / 中国照明学会常委		
10:00 – 11:00	Panel Discussion / 讨论环节: The Future of Lighting / 怎样看照明概念变革? 面对新时代、新照明, 企业有什么新作为?	
Panelist/ 专家代表:	Ms Lei Cao / 曹蕾女士 China Mobile Communications Corporation / 中国移动通信集团有限公司 Mr Hai-gang Shao / 邵海刚先生 Huawei Technologies Co Ltd / 华为技术有限公司	Mr Charles Han / 韩敏先生 OSRAM / 欧司朗 Mr Mengming Yao / 姚梦明先生 Signify / 昕诺飞 Mr Xiao-ming Qi / 齐晓明先生 OPPLE Lighting Co Ltd / 欧普照明股份有限公司 Mr Xiao-song Hong / 洪晓松先生 NVC 雷士照明
11:00 – 11:30	Strategic Roadmap of the Global Lighting Industry 全球照明行业战略路线图	Mr Bryan Douglas Secretary General Global Lighting Association Bryan Douglas 先生 Global Lighting Association 秘书长
11:30 – 12:00	Internet of Radio Light in Buildings 互联网无线电灯	Dr Yue Zhang Assistant Professor University of Leicester, UK 张跃博士 英国莱斯特大学助理教授
12:00 – 12:30	Smart Lighting and NB IoT NB-IoT 落地了吗?	Mr Samuel Xiang Head of Prof Channel Signify 项迪铨先生 昕诺飞中国区专业渠道总经理
12:30 – 13:00	5G Networks, the Key to Internet of Everything 5G, 构建万物互联的智能世界	Mr Hai-gang Shao Director of Strategy & Business Development Department Huawei Technologies Co Ltd 邵海刚先生 华为技术有限公司芯片产业发展部总监
13:00 – 13:30	Change of Lighting Design in Smart Cities 智慧城市照明设计变革	Ms Elisa Hillgen City of Jyväskylä, Member of the Board, LUCI Association Elisa Hillgen 女士(芬兰) LUCI Association 董事会成员
13:30 – 14:00	City of the Future 未来城市发展	Ms Diana Lu Head of APAC Product Portfolio, Lighting Solutions OSRAM 陆燕女士 欧司朗亚太区产品总监, 专业照明系统解决方案
MC / 大会主持: Dr Hong-wei Song / 宋宏伟博士 Professor, Zhejiang University / 浙江大学计算机学院教授		
14:00 – 14:30	Bluetooth Mesh - Pave the Way for Smart Lighting 蓝牙 Mesh 网络 - 铺就智能照明之路	Mr Kai Ren Developer Relation Manager Bluetooth SIG 任凯先生 蓝牙技术联盟开发者关系经理
14:30 – 15:00	The Internet of Light 照明物联网	Mr Tobin J.M. Richardson President and CEO Zigbee Alliance Tobin J.M. Richardson 先生 Zigbee 联盟主席兼首席执行官
15:00 – 15:30	Wi-Fi and Smart Living Wi-Fi 与智能家居	Mr Jerry Huang Director, Greater China Region Wi-Fi Alliance 黄家瑞先生 Wi-Fi Alliance 大中华区总裁
15:30 – 16:00	Growth of the IoT - Lighting 物联网于照明行业的发展	Mr Skip Ashton VP Software Silicon Labs Skip Ashton 先生 Silicon Labs 软件业务副总裁
16:00 – 16:30	The Convergent Future of Lighting & Other Industries 跨界合作创新据点	Mr Xiao-ming Qi Board Director, Vice GM and CTO OPPLE Lighting Co Ltd 齐晓明先生 欧普照明股份有限公司首席技术官, 董事兼副总经理
16:30 – 17:00	How to make smart lighting happen? 都说要更懂用户的灯, 谁来说说怎么实现?	Mr Zhen Guan Principal Technical Evangelist Microsoft (China) Co Ltd 管震先生 微软(中国)有限公司首席技术顾问

THINKLIGHT: Embracing Changes “THINK” Forum 10.06.2018; 10:00 – 16:30



MC / 大会主持 :	Ms Zhen Wang 王珍女士 第一财经日报 产经新闻中心 高级记者	
10:00 – 10:30	Human and Lighting 人与照明	Mr Gunnar Eberhardt President & CEO China OSRAM 顾纳先生 欧司朗中国区总裁兼首席执行官
10:30 – 11:00	How lighting affects human? 照明及灯光的影响力	Mr Chen-ke Xu Vice President Sanan Optoelectronics Co Ltd 徐震科先生 三安光电股份有限公司副总兼技术中心总经理
11:00 – 11:30	Mini – Micro LED Applications 微发光二极管的应用	Mr Benson Liao HKUST Fok Ying Tung Research Institute 廖本瑜先生 ISMP国际智能制造平台总监 香港科技大学董英东研究院
11:30 – 12:00	Micro-LEDs for Marco-displays 微发光二极管于大型显示器的应用	Dr Zhao-jun Liu Southern University of Science and Technology 刘召军博士 南方科技大学
12:00 – 12:30	Let LED back to nature – about Human Centric Lighting 让LED回归自然 – 人本照明浅谈	Mr Vincent Wu Vice President Marketing Seoul Semiconductor Co Ltd 吴森先生 首尔半导体市场部副总裁
12:30 – 13:00	Full Spectrum LED and Optimized Spectrum Line-up 全光谱LED及优化光谱	Mr Yoshihiko Naito Senior Manager Nichia Chemical Hong Kong Ltd 内藤嘉彦先生 日亚化学(香港)有限公司协理
13:00 – 13:30	Development and Trend of LED Package for Health and Color Quality of Light 高光品质、健康照明：LED封装器件的创新及发展趋势	Dr Jay Liu Chief Technology Officer ShineOn (Beijing) Technology Co Ltd 刘国旭博士 易美芯光科技有限公司首席技术官
13:30 – 14:00	Spectral Design Development 面向未来照明多样性需求的光谱定制开发	Mr Chao Liang Deputy General Manager Jiangsu Bree Optronics Co Ltd 梁超先生 江苏博睿光电有限公司副总经理
14:00 – 14:30	TM-30-15 : Method for Evaluating Light Source Color Rendition TM-30-15: 评估光源显色性的新方法	Mr Jason Zhang Project Manager DEKRA Testing and Certification (Shanghai) Limited 张丕先生 德凯质量检测上海有限公司项目经理
14:30 – 15:00	Advanced Silicone Solutions Beneficial for Long Light Path Optics in Lighting 高性能硅橡胶用于长行程光学器具的解决方案	Dr Qing Shi TSD Manager Dow (Shanghai) Holding Co Ltd 石卿博士 陶氏(上海)投资有限公司大中华区技术服务部经理
15:00 – 15:30	The Future Development of OLED OLED照明进入商业化阶段?	Mr CF Sung General Manager Ultimate Image Cooperation 宋志峰先生 力志国际光电总经理
15:30 – 16:00	Plastic AMOLED AMOLED 技术及应用概览	Prof Jin Jang Kyung Hee University 张震教授 庆熙大学
16:00 – 16:30	Introduction to Laser Diodes Technology and Prospects for Laser Lighting Development 激光二极管的技术介绍与激光照明未来发展的前景	Mr Jurgen Yeh Chief Technology Officer Picosun China 叶国光先生 Picosun China 首席技术官

THINKLIGHT: Embracing Changes

“THINK” Forum

11.06.2018; 10:00 – 16:30



THINK

MC / 大會主持 :		Prof Li-juan Kang / 康丽娟教授 South China Normal University / 华南师范大学美术学院	
10:00 – 10:30	Smart & Healthy: The Future Trend of Lighting Fixture Design 智能+健康: 照明产品创新设计的未来	Prof Lin-tao Tang Academy of Arts and Design Tsinghua University 唐林涛教授 清华大学美术学院照明产品原型创新研究所	
10:30 – 11:00	What is the role of light in lighting fixture design? 灯具设计变革下, 光扮演什么角色?	Prof Hong Lin The Guangzhou Academy of Fine Arts 林红教授 广州美术学院	
11:00 – 11:30	The Story of Light 光的故事	Prof Fan Yu Jiangnan University 于帆副教授 江南大学	
11:30 – 12:00	How to design a lighting fixture for our consumers? 如何做一盏消费者喜欢的灯	Mr Chao Gao Founder & CEO LAISI.COM 高超先生 来设计创始人兼CEO	
12:00 – 12:30	Less is More (Disengagement of Complexity) 简约风设计	Ms Andrea Bettina Müller (女士)	
MC / 大會主持 :		Mr James Wallace / James Wallace 先生 Design Director, LightPlan / LightPlan 设计总监	
12:30 – 13:00	The Power of Media Facades: Experiments from Estudio Guto Requena 媒体立面的角色及其影响力	Mr Guto Requena Creative Director Estudio Guto Requena Guto Requena 先生 Estudio Guto Requena 创意总监	
13:00 – 14:00	The Art of Bringing Art to the World 带领照明艺术装置走向世界	Mr Alexandre Lemieux Business Development Creos Experts-Consells inc Alexandre Lemieux 先生 Creos Experts-Consells inc 业务发展总监	& Mr Louis-Xavier Gagnon-Lebrun Artistic Co-Director / Designer Atomic 3 Louis-Xavier Gagnon-Lebrun 先生 Atomic 3 设计师
14:00 – 14:30	Projector Light Source Technology 灯光投影与多媒体系统整合	Mr Fei-si Wu Director, Southern China Guangdong Havi Technology Co Ltd 吴妃四先生 广东华影科技有限公司华南区域总监	
14:30 – 15:00	Responsive Distributed Light within Near-Living Systems 互动智慧照明系统	Mr Philip Beesley Director Philip Beesley Architect Inc & Living Architecture Systems Group Philip Beesley 先生 Philip Beesley Architect Inc 及 Living Architecture Systems Group 总监	
15:00 – 15:30	Design Lighting with 3D Printing Technology for the Next Beauty 设计配合3D打印技术打造特色灯具	Mr Yukichi Anno Director Anno Design Office Yukichi Anno 先生 Anno Design Office 总监	
15:30 – 16:30	The Combination of Glass Blowing and 3D Printing Technology in the Production of Lighting Fixture 玻璃吹制工艺及3D打印技术的碰撞	Ms Paola Amabile & Mr Alberto Fabbian Founders Faberhama Paola Amabile 女士 及 Alberto Fabbian 先生 Faberhama 创办人	

THINKLIGHT: Embracing Changes “ACT” Forum

09.06.2018; 12:30 – 17:00

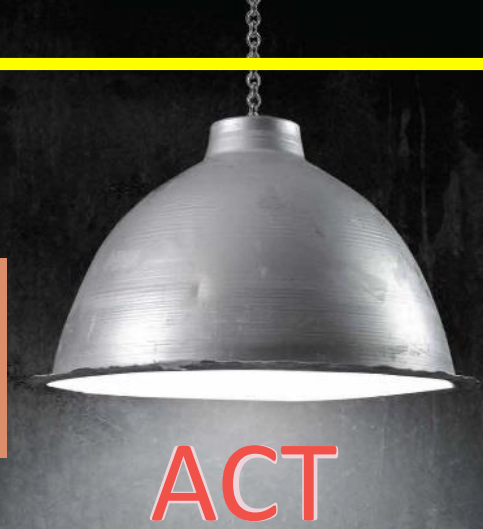


ACT

12:15 – 12:40	Opening Ceremony “行” 主题大会开幕式及欢迎致辞	
12:40 – 13:00	Health Lighting - Start from iDAPT 健康照明-从iDAPT开始	Mr Eric Zhou Vice President WELLMAX 周洋先生 上海昭关照明实业有限公司副总裁
13:00 – 13:20	The Future and Development of AC COB Module AC COB模组发展与未来	Mr Edward Tseng Manager Edison Opto Corporation 曾国峰先生 艾笛森光电股份有限公司经理
13:20 – 13:40	Smart IoT Lighting: Beyond Luminance and Remote On/Off 智能物联网照明系统; 超越照明和远程开/关	Mr Jerome Lee Manager, Application Center China, Infineon Technologies Hong Kong 李浩敏先生 英飞凌(香港)科技有限公司大中华区应用中心经理
13:40 – 14:00	Design and Manufacture Brilliant Luminaries in a Smart Way 以聪颖的方式设计和制造辉煌的灯具	Ms Amy Zhu Sales Manager OPTIS 朱耀奕女士 欧捷斯软件(上海)有限公司销售经理
14:00 – 14:30	Thermal Management of K-COB Technology 千瓦级COB光源应用的热管理	Mr Vinson Ye General Manager Fujian CAS KCOB-Lighting Technology Co Ltd 叶尚辉先生 福建中科芯耀照明科技有限公司总经理
14:30 – 15:00	Introduction of FC-COB Technology and Its Application 智能高光密度FC-COB应用技术	Mr Shi-quan Wei Deputy General Manager Shenzhen TongYiFang (TYF) Optoelectronic Technology Co Ltd 魏仕权先生 深圳同一方光电技术有限公司副总经理
15:00 – 15:30	LED Lighting Driver Technology Innovation and Development LED 照明驱动技术的创新发展	Mr Alec Yan Shanghai Research Institute of Microelectronics Peking University 颜重光先生 北京大学上海微电子研究院
15:30 – 16:00	Miniaturised LED Drivers Enabling New Design Solutions LED驱动小型化技术引领新设计风潮	Mr Mickey Madsen CEO Nordic Power Converters Mickey Madsen 先生 Nordic Power Converters 创办人
16:00 – 16:30	Can Philips LED Drivers help you to get ready for the Connected future? 飞利浦LED驱动如何对接智能互联时代	Mr Bob Van Der Linden Senior Director Global Product Management LED Drivers Signify 林登博先生 昕诺飞全球LED电源与模组产品高级总监
16:30 – 17:00	Power Solution under the Trend of Smart Cities Development 智慧城市潮流下的电源解决方案	Mr Tony Pu Director, Vice President Lumlux Group 浦敏先生 苏州纽克斯电源技术股份有限公司董事、副总经理

THINKLIGHT: Embracing Changes “ACT” Forum

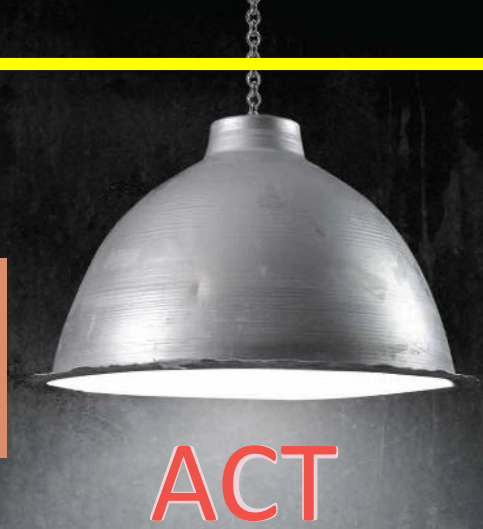
10.06.2018; 10:00 – 17:00



Bluetooth SIG
蓝牙技术联盟

10:00	Bluetooth SIG –Opening Remark 蓝牙技术联盟开场	Mr Kai Ren Developer Relation Manager Bluetooth SIG 任凯先生 蓝牙技术联盟开发者关系经理
10:00 – 10:30	TmallGenie & Bluetooth Mesh 天猫精灵 & 蓝牙 Mesh	Roy Alibaba AI Labs, Alibaba Group 忘之（别名） 阿里巴巴集团阿里巴巴人工智能实验室
10:30 – 11:00	Bluetooth mesh: Smart Lights, Wireless Sensors, Location Tracking in Buildings 蓝牙联盟标准 Mesh： 真正的“智慧”照明，无线传感器与室内定位技术的实现	Mr Mason Song CEO TRLINK 宋翔先生 芯联锐执行长
11:00 – 11:30	Bluetooth LE for Smart Switch in Lighting System 照明系统中的开关与蓝牙	Mr Feng Huang Senior Expert, Innovation Philips Lighting 黄峰先生 飞利浦照明创新部高级专家
11:30 – 12:00	Smart Home and Smart Lighting Applications on Bluetooth Mesh Technologies 智能家居与智能灯控应用在蓝牙网络技术的发展	Mr Ray Shih R&D Senior Director Askey Computer Corporation 许桓瑞先生 亚旭电脑研发总部资深处长
12:00 – 12:30	BT mesh's Design Consideration for Smart Lighting and Home Automation 蓝牙网络技术于智慧照明及家居自动化系统应用	Mr Desmond Chan Sr Marketing Manager, IoT Products, APAC Silicon Labs 陈雄基先生 Silicon Labs 亚太区区域营销高级经理

THINKLIGHT: Embracing Changes “ACT” Forum 10.06.2018; 10:00 – 17:00



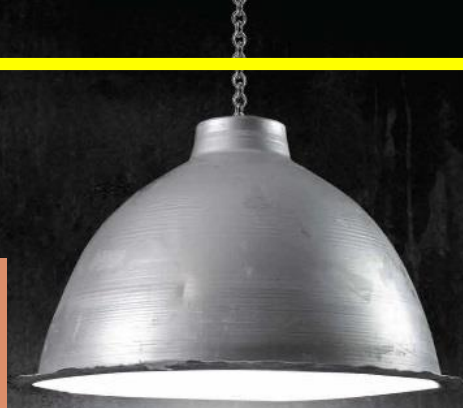
ACT

MC / 大會主持 : Prof Horng-Ching Hsiao 蕭弘清教授
National Taiwan University of Science and Technology 国立台湾科技大学电机工程系

12:30 – 13:30	The Application of Zigbee on Smart Lighting Zigbee在智能照明中的应用	Mr Victor Berrios Vice President of Technology Zigbee Alliance Victor Berrios 先生 Zigbee 联盟首席技术官	 ZigBee Control your world
13:30 – 14:00	Wi-Fi Technology and Industry showcase Wi-Fi 技术在照明行业中的应用	Mr Jerry Huang Director, Greater China Region Wi-Fi Alliance 黄家瑞先生 Wi-Fi Alliance 大中华区总裁	 Wi-Fi ALLIANCE
14:00 – 14:30	Outdoor Smart Lighting System 户外照明系统的“即插即控”智能化	Mr Philip Huang Chairman Zhejiang UMElink Intelligent Technology Co Ltd 黄德翔先生 浙江优联智能科技有限公司 董事长	
14:30 – 15:00	LUTRON Hospitality New Technology LUTRON 高端酒店智能酒店客房控制系统与案例分析	Ms Lea Li Specification Manager LUTRON 李小多女士 项目设计经理 路创电子公司	
15:00 – 15:30	Indoor Visible Light Positioning Technology: Overview, State of the Art, and Opportunities 室内可见光定位技术: 简介, 前沿, 商业机会	Prof Julian Cheng The University of British Columbia Julian Cheng 教授 英属哥伦比亚大学	
15:30 – 16:00	Visible Light Communications -- Potential and Limitations 可见光通讯发展潜力及限制	Prof Maite Brandt-Pearce University of Virginia Maite Brandt-Pearce 教授 弗吉尼亚大学	
16:00 – 16:30	Xicato Intelligent Light Source Solution Xicato 智慧照明解决方案	Mr Webster Chu Specifier Service & Application Support Manager, Asia Pacific Xicato Inc 朱奕伦先生 Xicato Inc 照明设计业务发展及应用工程经理 - 亚太区	
16:30 – 17:00	Intelligent and Connected Lighting: The Value of Data 智慧照明系统及其产生的价值	Mr Christian Schraft Global CEO Feilo Sylvania Christian Schraft 先生 Feilo Sylvania 总裁	

THINKLIGHT: Embracing Changes “ACT” Forum

11.06.2018; 13:30 – 17:00



ACT

13:30 – 14:00	Light Recipe, Technology and Trend for Agriculture lighting 农业照明—光配方、技术和趋势	Prof Wei Fang Department of Bio-Industrial Mechatronics Engineering National Taiwan University 方炜教授 台湾大学生物产业机电工程学系
14:00 – 14:30	Plant Factories in China 植物工厂在中国—突破点	Mr Joel Reiner Senior Horticultural Scientist AeroFarms Joel Reiner 先生 AeroFarms
14:30 – 15:00	Plant Factories Successful Stories in China 植物工厂成功应用案例解读	Ms Jing-jing Jiang CEO Starglobal Agriculture Co Ltd 蒋晶晶博士 华星环球(深圳)农业有限公司创始人/总裁
15:00 – 15:30	UV-LED is changing its stage from industry to home appliances UVLED 应用发展趋势—工业用过渡至家用市场	Mr Yoshihiko Muramoto CEO Nitride Semiconductors Co Ltd Yoshihiko Muramoto 先生 Nitride Semiconductors Co Ltd 总裁
15:30 – 16:00	Recent progress of AlGaIn Deep-UV LEDs 深紫外LED最新发展趋势	Mr Yukio Kashima Marubun Corporation Yukio Kashima 先生 Marubun Corporation
16:00 – 16:30	Deep UV LED Technology and Development 深紫外LED技术及应用的发展趋势	Prof Xiong Zhang Department of Electron Science & Engineering Southeast University 张雄教授 东南大学电子科学与工程学院
16:30 – 17:00	UVC LED market and its huge potentiality UVC-LED市场及其巨大潜力	Mr Katsuji Tasaka General Manager of Sales Division Nikkiso Giken Co Ltd 田坂胜次先生 日机装技研株式会社销售总经理



Guangzhou International Lighting Exhibition 2017 The Convergent Future Forum

Embracing the theme “THINKLIGHT: The Convergent Future”, the 2017 edition of the fair curated a matching event programme with over 100 seminars featuring expert speakers from the lighting community.

The convergent future: Light and IoT, lighting and digital art

I think the future belongs to IoT and connectivity. To make your devices connected is the key to success. What I like most about the fair is the level of interaction with the audience. Sessions were packed to the rafters and the audience was extremely engaged and ready to participate in the discussions. GILE is truly a great event.

Mr Tjaco Middel, Head of R & D, Tridonic (Shenzhen) Co Ltd

In the future, the development of smart control systems will be more and more integrated, not only in the lighting sector but in other applications such as the monitoring and control of traffic and temperature. The organisation of the event has been superb with many valuable audience discussions.

Mr Jack Chen, Business Director, Taiwan, Telensa

Outdoor media advertisements exist in many cities around the world and making sure these advertisements are effective is crucial. Convergence is what the industry must do, bringing building, lighting, software and other kinds of technology together to facilitate developments

Dr M Hank Haeusler, Director of Computation Design, UNSW Built Environment, UNSW Australia





Guangzhou International Lighting Exhibition 2017 THINKLIGHT Forum

New concept of lighting: Embedded technology, plant factory

IoT and digital controls add tremendous value to lighting, they allow full customisation, rhythm, temperature control and dimming of animated lighting. I believe embedded lighting will be the future of architectural lighting as we move away from simple LED fixtures. I think the conference and exhibition were great. I can feel the intensity of the exhibitors and buyer. It is a high-level event is it is worth returning in the future.

Mr Brad Koerner, Product Marketing Manager, Philips Lighting

LED is the key technology for Plant Factory as it can increase the plant yield and quality by 20% to 30%. Since LEDs are small we can grow plants in a much more compact space.

Professor Toyoki Kozai, Chief Director, Japan Plant Factory Association

Lighting application: City and museum lighting

Among China's tourism sectors, night tours are the most popular. The so-called "Moon Economy" implies extending the stay of tourists and thus increasing their expenditure. Telling unique stories with lighting to attract tourists is now the main way to achieve this purpose.

Mr Qu Guojun, National A – level lighting and stage designer, Production Department, Technical Production Centre, China Central Television



guangzhou international
lighting exhibition

广州国际照明展览会



THINKLIGHT: Embracing Changes

思索 · 照明 思索 · 变革

For details, please contact:
如需更多資料，請聯繫：

Messe Frankfurt (HK) Ltd.
法蘭克福展覽（香港）有限公司

Ms. Scarlet Mak 麥倩雅小姐
Tel / 電話：+852 2238 9969
E / 電郵：scarlet.mak@hongkong.messefrankfurt.com

Ms. Kenix Yue 余家樂小姐
Tel / 電話：+852 2230 9285
E / 電郵：kenix.yue@hongkong.messefrankfurt.com

www.light.messefrankfurt.com.cn



光亞 · Guang ya



messe frankfurt