



## 第十五届中国国际半导体照明论坛

15<sup>th</sup> China International Forum on Solid State Lighting  
[www.sslchina.org](http://www.sslchina.org)

## 2018 国际第三代半导体论坛

2018 International Forum on Wide Bandgap Semiconductors China  
[www.ifws.org.cn](http://www.ifws.org.cn)

# SSLCHINA & IFWS 2018 论坛信息

### 一、参会注意事项：

1. 会议地点：深圳会展中心（深圳市福田区福华三路 111 号深圳会展中心）
2. 会议时间：2018 年 10 月 23-25 日
3. 会议协议住宿酒店：深圳五洲宾馆、深圳市皇轩酒店、维也纳酒店会展中心店、维也纳酒店福华路店
4. 请各位代表注册并佩戴代表证参会，无证者不能进入会场。为便于参会信息统计，提供更专业的服务，本届会议将采用各会场条形码扫描系统。
5. 请各位报告人依照日程准时报告，由于会议时间紧凑，请提前将展示幻灯片发送至指定邮箱，并在会前确认已存入会议专用电脑，如有其它需要，请与会议负责人联系。
6. 会议议程随时更新中，以最终现场议程为准。
7. 请各位代表着装整洁，会议进行期间请将手机调为静音模式。
8. 请保管好自己的随身物品及资料，如需帮助，请与会务组工作人员取得联系。
9. 会议同期展览展示精彩纷呈，请各位代表前往参观交流。

### 二、注册报到：

地点：深圳会展中心 • 五层会议中心 • 中厅注册报到台

时间：10 月 23 日 08:00-18:00      10 月 24 日 08:00-18:00      10 月 25 日 08:00-10:00

注：本届会议代表证将采用实名制。为减少您报到注册等候时间，请携带名片。

### 三、会议住宿：

酒店名称	地址	联系人	电话
深圳五洲宾馆	深圳市福田区深南大道 6001 号	刘娴	13418674273
深圳市皇轩酒店	深圳市福田区福民路 28 号	贺建兰	18128855169
维也纳酒店会展中心店	深圳市福田区金田路 2014 号	刘经理	13823347563
维也纳酒店福华路店	深圳市福田区福华路 73 号	吴经理	13510300170

注：深圳市中心住房紧张，请尽早订房以免影响行程。订房时请向订房客服言明您正在参加第十五届中国国际半导体照明论坛暨 2018 国际第三代半导体论坛（SSLCHINA & IFWS 2018），以获得折扣。折扣房间有限，请尽早预订。

### 四、注册代表就餐安排：

日期	用餐时间	用餐地点	类型
10 月 23 日欢迎晚宴	18:30-20:30	五层 • 兰花厅	中式晚宴
10 月 24 日午餐	12:00-14:00	五层 • 向日葵厅	自助午餐
10 月 24 日晚餐	18:00-20:00	五层 • 向日葵厅	自助晚餐
10 月 25 日午餐	12:20-14:00	五层 • 向日葵厅	自助午餐

注：用餐餐券与代表证同时打印，请于注册时确认您的餐券有效。

### 五、会场交通

论坛：中国 • 广东 • 深圳会展中心

地址：深圳市福田区福华三路 111 号深圳会展中心

交通：

站点位置	站点名称	地铁和公交线路
会展中心北	会展中心	地铁 1、4 号线、15、50、56、64、80、109、211、235、371、374、375、K578、机场 9 号线
会展中心东	福华三路口	3、15、33、34、50、60、64、221、235、371、374、K113、高峰线④
会展中心东	会展中心东	34、K113
会展中心南	皇岗村北	229、337、353、369、382
会展中心南	会展中心南	229、337、338、369、382、J1
会展中心西	益田中路	15、64、71、73、76、80、235、374、398

## 六、会务组联系方式：

咨询事项	联系人	联系方式	邮件
普通参会报到咨询	刘辉	13901048139	liuh@china-led.net
邀请嘉宾咨询	贾欣龙	18310277858	jiaxl@china-led.net
媒体嘉宾咨询	刘莹	13641340089	liuying@china-led.net
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	许蓟鸿	13466648667	xujh@china-led.net
主论坛与产业峰会内容咨询	李菡	18610307140	lihan@china-led.net
技术分会内容与论文征集咨询	白璐	18888840079	bailu@china-led.net
演讲演示文档收集	白璐	18888840079	Papersubmission@china-led.net
财务咨询	李莉	13717964480	lilyli@china-led.net
展览咨询	王有志	18610119011	wangyz@china-led.net
战略合作咨询	涂长峰	18701590400	changfeng@china-led.net

## Conference Information

### Attentions:

1. Venue: Shenzhen Convention and Exhibition Center (Shenzhen Convention and Exhibition Center, No. 111, Fuhua 3rd Road, Futian District, Shenzhen)
2. Time: October 23-25, 2018
3. Accommodation: Wuzhou Guest House, Asta Hotel Shenzhen, Vienna Hotel (Shenzhen Convention & Exhibition Center), Vienna Hotel (Fuhua Road)
4. Delegates are required to register and wear a representative badge to attend the forum. Undocumented persons cannot enter the venue. In order to facilitate the participation of information statistics and provide more professional services, barcode scanning system is applied to all conference halls.
5. The reporters are required to report on time according to the agenda. Due to the compact meeting time, please send the presentation slides to the designated mailbox in advance, and confirm that they have been deposited in the conference-specific computer before the meeting. If you have other needs, please contact the person in charge of the meeting.
6. The agenda of the meeting is updated at any time, please subject to the final on-site agenda.
7. Please dress neatly and neatly, please turn your phone into silent mode during the conference.
8. Please keep your belongings and information. If you need help, please get in touch with the staff of the conference team.
9. The exhibitions at the same time showcase a variety of technology and products. Representatives are invited to visit.

## Registration:

Venue: Main Hall at 5<sup>th</sup> Floor, Shenzhen Convention & Exhibition Center, Shenzhen, Guangdong, China

Time: Oct 23<sup>rd</sup> 08:00-18:00

Oct 24<sup>th</sup> 08:00-18:00

Oct 25<sup>th</sup> 08:00-10:00

Note: Delegates are required to make real-name registration. Showing your biz card will help shorten your registration time.

## Accommodation/Hotels:

Hotel	Address	Contact	Phone
Wuzhou Guest House	6001 Shennan Avenue (Shennan Dadao), Futian District, Shenzhen	LIU Xian	13418674273
Asta Hotel Shenzhen	28 Fumin Road, Futian District, Shenzhen	HE Jianlan	18128855169
Vienna Hotel (Shenzhen Convention & Exhibition Center)	No. 2014, Jintian Road, Futian District, Shenzhen	Manager Liu	13823347563
Vienna Hotel (Fuhua Road)	No. 73, Fuhua Road, Futian District, Shenzhen	Manager Wu	13510300170

Note: Please schedule reasonably in advance and reserve rooms with the hotels announcing that you are attending 15th China International Forum on Solid State Lighting & 2018 International Forum on Wide Bandgap Semiconductors (SSLCHINA&IFWS2018) to get discount. Discounted rooms are limited, please book them early. Rooms at regular prices may be available when the discounted rooms have run out.

## Meals:

Date	Time	Meal	Location	Type
Oct 23 <sup>rd</sup>	18:30-20:30	Welcome Banquet	Shenzhen Convention & Exhibition Center • Camellia Hall	Chinese Dinner
Oct 24 <sup>th</sup>	12:00-14:00	Lunch	Shenzhen Convention & Exhibition Center • Sunflower Hall	Buffet
Oct 24 <sup>th</sup>	18:00-20:00	Dinner	Shenzhen Convention & Exhibition Center • Sunflower Hall	Buffet
Oct 25 <sup>th</sup>	12:20-14:00	Lunch	Shenzhen Convention & Exhibition Center • Sunflower Hall	Buffet

Note: The meal ticket and the representative badge will be printed at the same time. Please confirm that your meal ticket is valid at the time of registration.

## Transportation:

### ***From Shenzhen Convention & Exhibition Center to Shenzhen Bao'an International Airport***

Shenzhen Bao'an International Airport is about 32.4 km away from Shenzhen Convention & Exhibition Center, which takes about 40-60 minute drive. Please arrange your time according to your flight schedule.

Subway is available taking about 1 hour to the airport. Guide: Take subway at Convention & Exhibition Center (Line 1, Direction : to Airport East Station) → Get off at Chegongmiao Station → Transfer to Line 11 (Direction: to Bitou Station) → Get off at Airport Station

### ***From Shenzhen Convention & Exhibition Center to Shenzhen North Station***

*At Shenzhen North Station, you can take high speed trains to other cities in mainland China or to Hong Kong West Kowloon High Speed Rail Station (where you can walk to Kowloon subway station, and take the airport express directly go to Hong Kong International Airport.)*

Shenzhen North Station is about 12 km away from Shenzhen Convention & Exhibition Center, which takes about 30 minute drive. Please arrange your time according to your schedule.

Or you can take the subway Line 4 directly to the railway station. Guide: Take subway at Convention & Exhibition Center (Line 4, Direction: to Qinghu Station) → Get off at Shenzhen North Station

### ***From Shenzhen Convention & Exhibition Center to Futian Check Point (To Hong Kong)***

*Futian Check Point is the nearest check point to Hongkong, at the other side of the boarder, you can find the Lok Ma Chau subway station which belongs to the Hong Kong subway system.*

Futian Check Point is about 3 km away from Shenzhen Convention & Exhibition Center, which takes about 15 minute drive. Please arrange your time according to your schedule.

Or you can take the subway Line 4 directly to Futian Check Point. Guide: Take subway at Convention & Exhibition Center (Line 4, Direction: to Futian Check Point Station) → Get off at Futian Check Point Station.

***From Shenzhen Convention & Exhibition Center to Luohu Check Point (To Hong Kong)***

*Across Luohu Check Point, at the other side of the boarder, you can find the Lo Wu subway station which belongs to the Hong Kong subway system.*

Luohu Check Point is about 13 km away from Shenzhen Convention & Exhibition Center, which takes about 30 minute drive. Please arrange your time according to your schedule.

Or you can take the subway Line 1 directly to Futian Check Point. Guide: Take subway at Convention & Exhibition Center (Line 1, Direction: to Luohu Station) → Get off at Luohu Station.

**Staff Contact:**

咨询事项	联系人	联系方式	邮件
Invited Reporter/Foreigner registration	Frank JIA	18310277858	jiaxl@china-led.net
Media	Amy LIU	13641340089	liuying@china-led.net
Sponsors & Company	Vivi Zhang	13681329411	zhangww@china-led.net
	Frank JIA	18310277858	jiaxl@china-led.net
	Chris XU	13466648667	xujh@china-led.net
Plenary Forum & Industrial Summits	Han LI	18610307140	lihan@china-led.net
Technical Sessions	Lu BAI	18888840079	bailu@china-led.net
Paper/Poster/Presentation Collection	Lu BAI	18888840079	Papersubmission@china-led.net
Exhibition	Jerry WANG	18610119011	wangyz@china-led.net
Strategic Cooperation	Max TU	18701590400	changfeng@china-led.net

## SSLCHINA & IFWS 2018 论坛整体安排

日期	时间	日程安排	地点	
10/23-25	08:30-18:00	S401/W401-POSTER 展示	兰花厅	
		S402/W402-SSLCHINA&IFWS 产业技术创新与应用展		
		S403-十五年点亮世界——SSLCHINA 十五年回顾展		
		W403-第三代半导体国际创新创业大赛获奖作品展		
		S701/W701-“极智同期声”现场发布会	中厅	
		S702/W702-VIP 区交流座谈		
10/23	09:00-12:00	S601-国际半导体照明联盟(ISA)成员大会	玫瑰厅 3	
		W801-CASA 理事会暨成员大会	郁金香厅	
	<b>14:00-17:40</b>	<b>S101/W101-SSLCHINA &amp; IFWS 2018 开幕式暨主论坛</b>	<b>簕杜鹃厅</b>	
	18:30-20:30	欢迎晚宴	茶花厅	
10/24	08:30-12:00	S201-LED 芯片、封装与模组技术	水仙厅	
		W201-碳化硅材料与电力电子器件技术	牡丹厅	
	09:00-12:00	W203-第三代半导体微波射频技术	菊花厅	
		S207/W207-可靠性与热管理技术	玫瑰厅 2	
		S208/W208-Micro-LED 与其他新型显示技术 I	玫瑰厅 3	
		S301/W301-汽车照明与汽车电子 I	桂花厅	
		S303-智慧城市与智慧照明 I	茉莉厅	
		S404/W404-张家港高新区发布会	郁金香厅	
	12:45-14:00	S401/W401-POSTER 集中学术交流	茶花厅	
	14:00-17:30	S204-光品质与光健康技术 I	菊花厅	
		S205-固态紫外器件技术	水仙厅	
		W205-超宽禁带半导体技术	玫瑰厅 2	
		S206/W206-半导体装备与智能制造	牡丹厅	
		S208/W208-Micro-LED 与其他新型显示技术 II	玫瑰厅 3	
		S301/W301-汽车照明与汽车电子 II	桂花厅	
		S303-智慧城市与智慧照明 II	茉莉厅	
		S501-2018 AIXTRON 研讨会	郁金香厅	
		S602-国际半导体照明联盟(ISA)常务理事会	608F	
		10/25	08:30-12:00	S203-生物农业光照技术
	09:00-12:00		S202-驱动与智能控制技术	玫瑰厅 2
S204-光品质与光健康技术 II			菊花厅	
W202-氮化镓材料与电力电子器件技术			水仙厅	
W204-功率器件封装与应用			郁金香厅	
S302/W302-知识产权运营			牡丹厅	
S304-照明设计与城市景观			茉莉厅	
12:00-12:20	S102/W102-SSLCHINA & IFWS 2018 闭幕式		中厅	

## SSLCHINA & IFWS 2018 Overall Schedule

Time		Activity	Venue	
10/23-25	08:30-18:00	S401/W401- POSTER Display	Orchid Hall	
		S402/W402-SSLCHINA & IFWS Exhibition		
		S403- Lighting the World - Review on 15 years of SSLCHINA		
		W403- Prize Winner Show of CIASIC		
		S701/W701- "Jizhi Voice" Road Show Stage	Main Hall	
		S702/W702- VIP Zone		
10/23	09:00-12:00	S601- ISA Member Assembly	Rose Hall 3	
		W801- CASA Council Meeting & Member Assembly	Tulip Hall	
	<b>14:00-17:40</b>	<b>S101/W101- Opening Ceremony &amp; Plenary Forum</b>	<b>Bougainvillea Hall</b>	
	18:30-20:30	Welcome Banquet	Camellia Hall	
10/24	08:30-12:00	W201- Technologies for SiC Materials and Devices	Peony Hall	
		S201- Technologies for LED Chip, Packaging and Modules	Narcissus Hall	
	09:00-12:00	W203- RF Technology based on Wide Bandgap Semiconductors	Chrysanthemum Hall	
		S207/W207- Technologies for Reliability and Thermal Management	Rose Hall 2	
		S208/W208- Technologies for Micro-LED and Novel Display I	Rose Hall 3	
		S301/W301- Automotive Lighting and Automotive Electronics I	Osmanthus Hall	
		S303- Smart City and Intelligent Lighting I	Jasmine Hall	
		S404/W404- ZJG High Tech Zone Investment Promotion	Tulip Hall	
	12:45-14:00	S401/W401- POSTER Communication Session	Camellia Hall	
	14:00-17:30	S204- Light Quality and Lighting for Health I	Chrysanthemum Hall	
		W205- Solid-State Ultraviolet Device Technology	Rose Hall 2	
		S206/W206- Semiconductor Equipment Technologies and Intelligent Manufacturing	Peony Hall	
		S208/W208- Technologies for Micro-LED and Novel Display II	Rose Hall 3	
		S205- Ultra-Wide Bandgap Semiconductor Technology	Narcissus Hall	
		S301/W301- Automotive Lighting and Automotive Electronics II	Osmanthus Hall	
		S303- Smart City and Intelligent Lighting II	Jasmine Hall	
		S501- 2018 AIXTRON Seminar	Tulip Hall	
		S602- ISA Council Meeting	608F	
	10/25	08:30-12:00	S203- LED Lighting in Bio-Agriculture	Rose Hall 3
		09:00-12:00	S202- Driver and Intelligent Control Technology	Rose Hall 2
S204- Light Quality and Lighting for Health II			Chrysanthemum Hall	
W202-Technologies for GaN Materials and Devices			Narcissus Hall	
W204- Power Devices Packaging and Application			Tulip Hall	
S302/W302- Intellectual Property Operations			Peony Hall	
S304- Lighting Design and Urban Landscape			Jasmine Hall	
12:00-12:40		S102/W102- Closing Ceremony	Main Hall	

## SSLCHINA & IFWS 2018 会议详细议程/Detailed Agenda

### 开幕大会/Plenary: Opening Ceremony & Plenary Forum

**主题: 创芯聚智 共享生态/Theme: Innovation with Collective Wisdom and an Ecosystem of Shared Value**

时间: 2018年10月23日下午 14:00-17:00

地点: 深圳会展中心 • 五层簕杜鹃厅

Time: Oct 23<sup>rd</sup>, 2018 Afternoon 14:00-17:30

Location: Shenzhen Convention and Exhibition Center • 5th Floor Bougainvillea Hall

<b>14:00-14:05</b>	开幕式-嘉宾介绍 / Opening Ceremony-Guests Introduction
<b>14:05-14:20</b>	开幕致辞 / Opening Address
<b>14:20-14:35</b>	国际第三代半导体创新创业大赛颁奖仪式 The Award for the International Advanced Semiconductor Innovation and Entrepreneurship Contest

### 论坛部分/Reports

<b>14:35-15:00</b>	<p><b>LED 现状与未来半导体照明</b> <b>Current Status of LED and Future Solid State Lighting</b></p> <p>中村修二 美国加州大学圣塔芭芭拉分校教授, 2014年诺贝尔物理学奖得主 Shuji NAKAMURA Professor of University of California, Santa Barbara (UCSB), Laureates of the 2014 Nobel Prize in Physics</p>
<b>15:00-15:25</b>	<p><b>GaN 技术带来突破性能量转化效率及射频应用新格局</b> <b>GaN Electronics: Disrupting Power Conversion and RF Electronics Plus More</b></p> <p>Umesh K. MISHRA 美国国家工程院院士、美国加利福尼亚大学杰出教授、Transphorm 董事长 Umesh K. MISHRA Member of United States National Academy of Engineering, Distinguished Professor of University of California, Santa Barbara, Chairman of Transphorm</p>
<b>15:25-15:50</b>	<p><b>从非极性和半极性氮化镓探索未来半导体光电器件</b> <b>Semi-/non- polar GaN for future Photonics and Electronics</b></p> <p>王涛 英国谢菲尔德大学教授 Tao WANG Professor of The University of Sheffield, UK</p>
<b>15:50-16:15</b>	<p><b>碳化硅功率器件: 制造与商业化之路</b> <b>Silicon Carbide power devices: fabrication and path to commercialization</b></p> <p>Victor VELIADIS PowerAmerica 执行副总裁兼首席技术官, 美国北卡罗莱纳州立大学教授 Victor VELIADIS Deputy Executive Director and CTO of PowerAmerica, USA, Professor of North Carolina State University</p>
<b>16:15-16:40</b>	<p><b>创芯聚智 共享生态</b> <b>Innovation with Collective Wisdom and an Ecosystem of Shared Value</b></p> <p>曹健林 全国政协教科卫体委员会副主任, 第三代半导体产业技术创新战略联盟指导委员会主任, 国际半导体照明联盟 (ISA) 主席 CAO Jianlin Vice President of Committee on Education, Science, Culture, Health and</p>

	Sport of CPPCC; President of Steering Committee of China Advanced Semiconductor Industry Innovation Alliance (CASA); President for International Solid State Lighting Alliance (ISA)
16:40-17:40	<p><b>新形势下国际技术产业生态高层对话</b></p> <p><b>关键词:</b> 国际贸易、生态构建、自主创新、风险规避、应对策略</p> <p><b>对话议题:</b></p> <ul style="list-style-type: none"> <li>-国际经济与贸易形势分析</li> <li>-产业生态构建与共享共赢</li> <li>-企业风险规避与多元化发展探讨</li> <li>-核心技术与自主创新</li> <li>-技术创新与未来产业发展</li> </ul> <p><b>对话嘉宾:</b> 阳光电源、华灿光电、木林森、英飞特等企业决策人, 行业权威专家等</p> <p><b>High-Level Dialogue: International Ecosystem of Technology and Industry under New Conditions</b></p> <p><b>Keyword:</b> International Trade, Industrial Ecosystem, Independent Innovation, Risk Aversion, Coping Strategy</p> <p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>-Analysis on international economy and global trade</li> <li>-How to construct industrial ecology and achieve win-win</li> <li>-Risk aversion and diversified development of enterprises</li> <li>-Core technology and independent innovation</li> <li>-Technical Innovation and Future Industrial Development</li> </ul> <p><b>Guests:</b> Leaders from SUNGROW, HC SemiTek, MLS, Inventronics, &amp; renowned experts</p>

### S201-LED 芯片、封装与模组技术 / S201-Technologies for LED Chip, Packaging and Modules

时间: 2018 年 10 月 24 日上午 08:30-12:00

地点: 深圳会展中心•六层水仙厅

Time: Oct 24<sup>th</sup>, 2018 Morning 08:30-12:00

Location: Shenzhen Convention and Exhibition Center • 6th Floor Narcissus Hall

<b>主持人</b>	<b>江风益/ JIANG Fengyi</b>
<b>Moderator</b>	南昌大学副校长、教授/ Vice President & Professor of Nanchang University
	<b>刘国旭/Jay LIU</b>
	易美芯光 (北京) 科技有限公司执行副总裁兼 CTO / Executive Vice President & CTO of ShineOn (Beijing) Technology
	<b>伊晓燕/YI Xiaoyan</b>
	中国科学院半导体研究所半导体照明研究中心研究员, 总工程师/ Professor & Chief Engineer of



	R&D Center for Solid-State Lighting, Institute of Semiconductors, Chinese Academy of Sciences
<b>08:30-08:55</b>	<b>无荧光粉 LED 照明技术进展</b> <b>Status and Prospect of Pure LED Lighting Technology</b> 江风益/张建立 南昌大学教授 JIANG Fengyi/ZHANG Jianli Professor of Nanchang University
<b>08:55-09:20</b>	<b>AlGaIn nanowire UV LED using graphene as substrate and transparent electrode</b> Helge WEMAN 挪威科学技术大学教授、挪威科学技术院院士、挪威 CrayoNano AS 创始人兼首席技术官 Helge WEMAN Professor of the Norwegian University of Science and Technology (NTNU); Academician of the Norwegian Academy of Technical Sciences (NTVA); Founder & CTO of CrayoNano AS, Norway
<b>09:20-09:45</b>	<b>激光打孔和双衬底转移技术制备金字塔型柔性氮化镓基 LED</b> <b>Pyramid-type flexible gallium nitride based LED fabricated by laser ablation and dual substrate transfer technology</b> 云峰 西安交通大学教授 YUN Feng Professor of Xi'an Jiaotong University
<b>09:45-10:05</b>	<b>全光谱 LED 照明用荧光粉现状及趋势</b> <b>Prospect and Advances of Phosphors for Full-spectrum lighting white LEDs</b> 刘荣辉 有研稀土新材料股份有限公司发光事业部主任、有研总院教授 Prof. LIU Ronghui Director of Luminescent Materials and Special lamp Dept. of Grirem Advanced Materials Co., Ltd.
<b>10:05-10:20</b>	<b>茶歇/Coffee Break</b>
<b>10:20-10:40</b>	<b>多应用场景下 LED 倒装芯片技术研究及展望</b> <b>Research and Prospects of LED Flip Chip Technology in Various Application Scenarios</b> 张威 华灿光电股份有限公司研发中心经理 ZHANG Wei R & D Center Manager of HC SemiTek Corporation
<b>10:40-11:00</b>	<b>薄膜倒装芯片及其芯片级封装与应用</b> <b>Thin Film Flip Chips and its Chip-Scale Packaging and Applications</b> 李刚 深圳大道半导体有限公司总经理兼产品总监 LI Gang General Manager & Product Director of Shenzhen Dadao Semiconductor Co., Ltd
<b>11:00-11:20</b>	<b>倒装芯片应用于新世代液晶显示器技术</b> <b>Flip Chip LED For New LCD Display Technologies</b> 刘宇轩 广东德豪润达电气股份有限公司 Led 芯片事业部研发部部长 LIU YuHsuan R&D Department Manager of Led Chip Business Unit, Elec-Tech International Co., Ltd.
<b>11:20-11:45</b>	<b>聚合物薄膜中 MAPbBr<sub>3</sub> 量子点降解的研究</b>

**Research on Degradation of MAPbBr<sub>3</sub> Quantum Dot embedded in Polymer Film**

林岳 厦门大学副教授

LIN Yue Associate Professor of Xiamen University

**11:45-12:00 Preparation of carbon dots by microwave synthesis for white LED devices**

张盛楠 西安交通大学

Dr. ZHANG Shengnan Xi'an Jiaotong University

**12:00-14:00 午休与 POSTER 交流 / Adjourn & POSTER Communication**

**S202-驱动与智能控制技术/ S202- Driver and Intelligent Control Technology**

时间: 2018 年 10 月 25 日上午 09:00 -12:00

地点: 深圳会展中心•五层玫瑰厅 2

Time: Oct 25<sup>th</sup>, 2018 Morning 09:00-12:00

Location: Shenzhen Convention and Exhibition Center • 5th Floor Rose Hall 2

**主持人 华桂潮/HUA Guichao**

**Moderator** 英飞特电子(杭州)股份有限公司董事会主席/ Founder & the Board Chair of Inventronics Inc.

**09:00-09:30 Smart Light Sensing for Lighting and Building Control**

Robert F. KARLICEK 美国智能照明工程技术研究中心主任, 美国伦斯勒理工学院教授

Robert F. KARLICEK Director of Smart Lighting Engineering Research Center, Professor of Rensselaer Polytechnic Institute

**09:30-09:55 基于荧光型 LED 的 710 Mbps 实时传输系统**

**710 Mbps real-time communication system with phosphor-coated LED**

陈雄斌 中国科学院半导体研究所研究员

CHEN Xiongbin Professor of Institute of Semiconductors, CAS

**09:55-10:20 基于 RGB 激光的白光水下无线光通信和水下照明**

**Underwater wireless optical communication and underwater solid-state lighting based on RGB laser diodes mixed white-light**

田朋飞 复旦大学副教授

TIAN Pengfei Associate Professor of Fudan University

**10:20-10:35 茶歇/Coffee Break**

**10:35-11:05 T.B.D.**

Tjaco MIDDEL 奥地利锐高照明电子亚太研发负责人

Tjaco MIDDEL Head of R&D APAC Tridonic

**11:05-11:30 高效率、高可靠性多沟道 HB-LED 驱动电源关键技术**

**High Efficiency, High Reliability Driving Power Supply for Multi-Channel HB-LED Applications**

马红波 西南交通大学副教授

MA Hongbo Associate Professor of Southwest Jiaotong University

**11:30-11:55 基于 APWM-PFM 控制的降压 Cuk/LLC 单级 LED 驱动电路**  
**A Single-Stage LED Driver Using Step-Down Cuk/LLC With APWM-PFM Hybrid Control**  
 林维明 福州大学教授  
 LIN Weiming Professor of Fuzhou University

**S203-生物农业光照技术/ S203- LED Lighting in Bio-Agriculture**

时间: 2018 年 10 月 25 日上午 08:30 -12:00

地点: 深圳会展中心 • 五层玫瑰厅 3

Time: Oct 25<sup>th</sup>, 2018 Morning 08:30-12:00

Location: Shenzhen Convention and Exhibition Center • 5th Floor Rose Hall 3

**主持人 杨其长/YANG Qichang**  
**Moderator** 中国农业科学院农业环境与可持续发展研究所主任,研究员/Professor of Institute of Environment and Sustainable Development in Agriculture (IEDA) , CAAS  
**刘鹰/LIU Ying**  
 大连海洋大学海洋科技与环境学院院长、教授/Professor & Dean of School of Marine Science and Environment Engineering of Dalian Ocean University  
**贺冬仙 / HE Dongxian**  
 中国农业大学水利与土木工程学院教授/Professor of China University of Agriculture

**08:30-09:00 LED 植物工厂的挑战**  
**Challenges for plant factory with LED lighting**  
 古在丰树 日本植物工厂研究会会长  
 Toyoki KOZAI Director of Japan Plant Factory Association

**09:00-09:25 智能绿色增长 - 发光二极管 (LED) 灯可调节植物生长和质量**  
**Smart Green Growth - Light-emitting diode (LED) light regulates plant growth and quality**  
 陆春贵 英国诺丁汉特伦特大学教授  
 Chungui LU Professor of Nottingham Trent University, UK

**09:25-09:50 植物工厂水培生菜育苗的 LED 光环境调控**  
**LED Lighting in Plant Factory for Lettuce Seedling Production**  
 贺冬仙 中国农业大学教授  
 HE Dongxian Professor of China Agricultural University

**09:50-10:10 采后 UV-A 和蓝光处理对樱桃番茄果实营养品质和抗氧化活性维持的影响**  
**The Influence of Postharvest UV-A and Blue Light on Nutritional Quality Retention and Antioxidant Elicitation of Cherry Tomatoes during Storage**  
 刘厚诚 华南农业大学教授  
 LIU Houcheng Professor of South China Agricultural University

**10:10-10:25 茶歇/Coffee Break**

**10:25-10:50 LED 光对海水鱼类生长和代谢的影响**

### **The effect of LED on marine fish growth and metabolism**

刘鹰 大连海洋大学海洋科技与环境学院院长、教授

Ying LIU Professor & Dean of School of Marine Science and Environment Engineering of Dalian Ocean University

### **10:50-11:10 种鸡、种蛋和肉鸡/蛋鸡一体化 LED 光照策略**

#### **Integrated LED lighting protocols for breeders, fertile eggs and broilers / layers**

洋进明 浙江大学生物系统工程与食品科学学院院长助理, 系主任, 教授、杭州朗拓生物科技有限公司董事长

PAN Jinming Professor & Department Head & Assistant Dean, College of Biosystems Engineering and Food Science of Zhejiang University, President of Hangzhou Langtuo Biotechnology Co., Ltd.

### **11:10-11:30 基于 4 种 LED 光源的雏鸡光照偏好性研究**

#### **Layer pullet preferences for light colors of light-emitting diodes**

郑炜超 中国农业大学副教授

ZHENG Weichao Associate Professor of China Agricultural University

### **11:30-11:45 园艺照明 LED 的两种光谱工程实现方式比较**

#### **Comparison of Two LED Spectrum Engineering Approaches for Horticulture Lighting**

孙国喜 易美芯光(北京)科技有限公司副总经理

SUN Guoxi Deputy General Manager of ShineOn (Beijing) Technology

### **11:45-12:00 光照周期和光质对番茄幼苗生理特性的影响**

#### **Effects of Illumination Duration and Light Quality on Physiological Characteristics of Tomato Seedlings**

张彤 中国科学院长春应用化学研究所

ZHANG Tong Changchun Institute of Applied Chemistry Chinese Academy of Sciences

## **S204-光品质与光健康技术/ S204- Light Quality and Lighting for Health**

### **光健康/Health Lighting**

时间: 2018 年 10 月 24 日下午 14:00 -17:40

地点: 深圳会展中心·五层菊花厅

Time: Oct 24<sup>th</sup>, 2018 Afternoon 14:00 -17:40

Location: Shenzhen Convention and Exhibition Center • 5th Floor Chrysanthemum Hall

**主持人 罗明/ Ronnier LUO**

**Moderator** 浙江大学教授/ Professor of Zhejiang University

**瞿佳/QU Jia**

温州医科大学附属眼视光医院院长、教授/ Dean and Professor of Eye Hospital of WMU  
Zhejiang Eye Hospital

### **14:00-14:25 人类健康照明的新发展**

#### **New Developments in Lighting for Human Health**

	Robert F. KARLICEK 美国智能照明工程技术研究中心主任, 美国伦斯勒理工学院教授 Robert F. KARLICEK Director of Smart Lighting Engineering Research Center, Professor of Rensselaer Polytechnic Institute
<b>14:25-14:50</b>	<b>健康视觉的光需求:机遇与挑战</b> <b>Better Light for Better Vision: Opportunities and Challenges</b> 瞿佳 温州医科大学附属眼视光医院院长、教授 QU Jia Dean and Professor of Eye Hospital of WMU Zhejiang Eye Hospital
<b>14:50-15:15</b>	<b>LED 健康照明的研究进展--十三五光健康项目阶段成果报告</b> <b>An introduction of a Chinese 13.5 project on the impact of LED lightings on human well-being</b> 蔡建奇 中国标准化研究院视觉健康与安全防护实验室主任 CAI Jianqi Director of China National Institute of Standardization
<b>15:15-15:45</b>	<b>LED 照明对不同年龄群体人们工作绩效的影响</b> <b>The Impact of LED Lighting on People' s Work Performance Between Different Age Groups</b> 罗明 浙江大学教授、国际照明委员会副主席 Ronnier LUO Professor of Zhejiang University, Vice President of CIE
<b>15:45-16:00</b>	<b>LED 健康照明器件的技术研究及产品应用</b> <b>Healthy Lighting LED Technology And Application</b> 谢志国 佛山市国星光电股份有限公司电研发中心副主任兼白光器件事业部副总经理 XIE Zhiguo Foshan NationStar Optoelectronics Co.Ltd.
<b>16:00-16:15</b>	<b>茶歇/Coffee Break</b>
<b>16:15-16:35</b>	<b>用于刺激细胞的 LED 灯的设计</b> <b>Design of LED Light for Stimulating Cells</b> 董建飞 中国科学院苏州生物医学工程技术研究所研究员 DONG Jianfei Professor of Suzhou Institute of Biomedical Engineering and Technology, Chinese Academy of Sciences
<b>16:35-16:55</b>	<b>节律健康照明: 光谱优化与照明设计创新</b> <b>Circadian lighting: Spectral Optimization and Lighting Design Innovation</b> 戴奇 同济大学教授 DAI Qi Professor of Tongji University
<b>16:55-17:10</b>	<b>全光谱照明光谱的开发与人本照明</b> <b>Development of Full Spectrum WLED and Humanistic lighting</b> 梁超 江苏博睿光电有限公司副总经理 LIANG Chao Deputy General Manager of Jiangsu Bree Optronics Co.,Ltd
<b>17:10-17:30</b>	<b>基于光的非视觉效应重新梳理光与人类的关系</b> <b>Re-understanding the relationship between light and human beings based on the non</b>

**visual effects of light**

方文卿 南昌大学教授

FANG Wenqing Professor of Nanchang University

**光品质/Color Quality**

时间: 2018年10月25日上午 09:00 -12:00

地点: 深圳会展中心·五层菊花厅

Time: Oct 25<sup>th</sup>, 2018 Morning 09:00 -12:00

Location: Shenzhen Convention and Exhibition Center • 5th Floor Chrysanthemum Hall

**主持人 瞿佳/QU Jia**

**Moderator** 温州医科大学附属眼视光医院院长、教授/ Dean and Professor of Eye Hospital of WMU  
Zhejiang Eye Hospital

**罗明/ Ronnier LUO**

浙江大学教授, 国际照明委员会副主席/ Professor of Zhejiang University, Vice President of CIE

**牟同升/MOU Tongsheng**

浙江大学教授, 杭州浙大三色仪器有限公司董事长/ Professor of Zhejiang University, President of Hangzhou SENSING Instrument Co.ltd

**09:00-09:30 现代室内照明中不同场景下色温和照度的优化组合**

**Optimum Combination of CCT and Illuminance to Achieve High Scene Preference in Modern Interior Lighting**

Peter Zsolt BODROGI 德国达姆施塔特工业大学副教授

Peter Zsolt BODROGI Associate Professor of the Technische Universität Darmstadt, Germany

**09:30-10:00 如何在不同亮度水平下保持颜色品质**

**Maintaining Color Preference under Different Light Levels**

魏敏晨 香港理工大学助理教授

WEI Minchen Assistant Professor of the Hong Kong Polytechnic University

**10:00-10:25 用于高质量照明的全光谱 LED 的定量分析**

**Quantitative Analysis of Full Spectrum LEDs for High Quality Lighting**

刘国旭 易美芯光(北京)科技有限公司执行副总裁兼首席技术官

Jay. Guoxu LIU Executive Vice President & CTO of ShineOn (Beijing) Technology

**10:25-10:40 茶歇/Coffee Break**

**10:40-11:05 公共建筑室内照明舒适度研究-以教室为例**

**Lighting Quality Study of Shopping Malls in China Based on the Evaluation Experiment**

党睿 天津大学副教授

DANG Rui Associate Professor of Tianjin University

**11:05-11:30 光品质评价, 为何需要荟萃分析方法?**

	<p><b>Evaluating Colour Quality of Lighting: Why Meta-analysis Is Needed?</b></p> <p>刘强 武汉大学副教授 LIU Qiang Associate Professor of Wuhan University</p>
11:30-11:45	<p><b>窗户眩光对人体的心理生理影响研究</b> <b>Study on psychophysiological effects of window glare on human body</b></p> <p>何思婕 复旦大学 Dr. HE Sijie Fudan University</p>
11:45-12:00	<p><b>显示器白色在不同环境光源下的外观改变</b> <b>Display white points under different ambient lighting conditions</b></p> <p>彭蕊 浙江大学 Dr. PENG Rui Zhejiang University</p>

<p><b>S205-固态紫外器件技术/ S205-Solid-State Ultraviolet Device Technology</b></p>	
<p>时间: 2018年10月24日下午14:00-18:00 地点: 深圳会展中心·六层水仙厅 Time: Oct 24<sup>th</sup>, 2018 Afternoon 14:00-18:00 Location: Shenzhen Convention and Exhibition Center • 6th Floor Narcissus Hall</p>	
<p><b>主持人</b> <b>Moderator</b></p>	<p><b>康俊勇/KANG Junyong</b> 厦门大学教授/Professor of Xiamen University</p> <p><b>王军喜/WANG Junxi</b> 中科院半导体研究所研究员、中科院半导体照明研发中心副主任/Deputy Director of R&amp;D Center for Solid-State Lighting, Institute of Semiconductors, Chinese Academy of Sciences</p>
14:00-14:25	<p><b>短波长 UVC LED: 氮化铝基板的优点</b> <b>Short wavelength UVC LEDs: the aluminum nitride substrate advantage</b></p> <p>Leo SCHOWALTER 美国 Crystal IS.联合创始人 Leo SCHOWALTER Co-founder of Crystal IS., USA</p>
14:25-14:50	<p><b>氮化物紫外 LED 的机遇与挑战</b> <b>Opportunity and Challenge for Nitride-based UV LEDs</b></p> <p>王军喜 中科院半导体研究所研究员、中科院半导体照明研发中心副主任 WANG Junxi Deputy Director and Professor of R&amp;D Center for Solid-State Lighting, Institute of Semiconductors, CAS</p>
15:50-15:15	<p><b>深紫外 DUV-LED 发光效率的提升策略</b> <b>Recent progress on the improvement of Deep Ultraviolet Light Emitting Diode Efficiencies</b></p> <p>陈长清 华中科技大学教授 CHEN Changqing Professor of Huazhong University of Science and Technology</p>
15:15-15:40	<p><b>高质量 AlN 外延生长及 AlGaIn 基深紫外 LED 研究</b> <b>Study of epitaxial growth of high quality AlN and AlGaIn - based deep ultraviolet</b></p>

	<b>light-emitting diodes</b> 许福军 北京大学副教授 XU Fujun Associate Professor of Peking University
<b>15:45-16:00</b>	<b>茶歇/Tea Break</b>
<b>16:00-16:25</b>	<b>Effect of stress-relaxation layer in UVC-LEDs on sputter-deposited high-temperature annealed AlN/sapphire</b> 永松谦太郎 日本三重大学助理教授 Kentaro NAGAMATSU Associate Professor of Mie-University, Japan
<b>16:25-16:50</b>	<b>硅基 AlGaIn 紫外光电子材料与器件</b> <b>AlGaIn-on-Si UV Material and Devices</b> 孙钱 中国科学院苏州纳米技术与纳米仿生研究所研究员 SUN Qian Professor of Suzhou Institute of Nano-Tech and Nano Bionics (SINANO), CAS
<b>16:50-17:15</b>	<b>深紫外 AlGaIn 多量子阱纳米柱 LED 中内量子效率和光提取效率的增强</b> <b>Enhancement in the internal quantum efficiency and light extraction of deep ultraviolet AlGaIn multi-quantum well nanorod light emitting diodes</b> 黄凯 厦门大学教授 HUANG Kai Professor of Xiamen University
<b>17:15-17:40</b>	<b>基于宽禁带 AlN 的紫外光功能结构和器件</b> <b>Wide Bandgap Material Meatasurface: UV Optical Component and Device</b> 汪炼成 中南大学教授 WANG Liancheng Professor of Central South University
<b>17:40-17:55</b>	<b>4H-SiC 紫外雪崩光电探测器的雪崩不均匀性研究</b> <b>Spatial Non-uniform Avalanche Multiplication in 4H-SiC APDs</b> 苏琳琳 南京大学 SU Linlin Nanjing University

### W201-碳化硅材料与电力电子器件技术 / W201-Technologies for SiC Materials and Devices

时间: 2018 年 10 月 24 日上午 08:30 -12:00

地点: 深圳会展中心•五层牡丹厅

Time: Oct 24<sup>th</sup>, 2018 Morning 08:30-12:00

Location: Shenzhen Convention and Exhibition Center • 5th Floor Peony Hall

<b>主持人</b>	<b>盛况/SHENG Kuang</b>
<b>Moderator</b>	浙江大学特聘教授, 电气工程学院院长 / Qiushi Distinguished Professor, Dean of the College of Electrical Engineering of Zhejiang University
	<b>徐现刚/XU Xiangang</b>
	山东大学教授, 晶体材料国家重点实验室副主任/ Professor & Deputy Director of State Key Laboratory of Crystal Material of Shandong University
<b>08:30-09:00</b>	<b>碳化硅功率器件的性能、可靠性和稳健性</b>



	<p><b>Performance, Reliability and Robustness of SiC Power Devices</b></p> <p>周达成 美国伦斯勒理工学院教授 T. Paul CHOW Professor of Rensselaer Polytechnic Institute, USA</p>
09:00-09:25	<p><b>碳化硅衬底技术的最新进展</b></p> <p><b>Recent progress in Silicon Carbide substrate technology</b></p> <p>P.S. RAGHAVAN 美国 GT Advanced Technologies 首席技术官 P.S. RAGHAVAN CTO of GT Advanced Technologies, USA</p>
09:25-09:50	<p><b>WBG 电力设备的现状和采用前景 - 瑞典视角</b></p> <p><b>Status and adoption prospects of WBG power devices -Swedish perspective</b></p> <p>Mietek BAKOWSKI 瑞典皇家工程学院工程科学院教授 Mietek BAKOWSKI Professor of Kungliga Tekniska Högskolan(KTH), Sweden</p>
09:50-10:10	<p><b>高性能 3D SiC JBS 二极管</b></p> <p><b>High performance 3D SiC JBS Diode</b></p> <p>张振中 深圳基本半导体有限公司副总经理 ZHANG Zhenzhong Deputy General Manager of Shenzhen BASiC Semiconductor Ltd.</p>
10:10-10:25	<p><b>茶歇/Coffee Break</b></p>
10:25-10:50	<p><b>Impact of basal plane dislocations and ruggedness of 10 kV 4H-SiC transistors</b></p> <p>Victor VELIADIS PowerAmerica 执行副总裁兼首席技术官, 美国北卡罗莱纳州立大学教授 Victor VELIADIS Deputy Executive Director and CTO of PowerAmerica, USA, Professor of North Carolina State University</p>
10:50-11:15	<p><b>10 千伏高压 4H 碳化硅 PIN 二极管的少子寿命调制</b></p> <p><b>Life time control of 10kV high voltage 4H-SiC PiN diodes</b></p> <p>Adolf SCHÖNER 瑞典 Ascatron AB 首席技术官 Adolf SCHÖNER CTO of Ascatron AB, Sweden</p>
11:15-11:40	<p><b>新一代碳化硅矩阵变换器</b></p> <p><b>Next Generation SiC-based Matrix Converters</b></p> <p>袁述 香港应用科技研究院功率器件组总监 YUAN Shu Director of Power Devices Group, Electronics Components Technology Division at ASTRI</p>
11:40-12:00	<p><b>基于磷钝化 4H-SiC/SiO<sub>2</sub> 复合栅介质的研究</b></p> <p><b>Passivation of 4H-SiC/SiO<sub>2</sub> Interface with Phosphorus and Silicon Nitride</b></p> <p>刘佳佳 河北半导体研究所工程师 LIU Jijia Engineer of Hebei Semiconductor Research Institute</p>
12:00-14:00	<p><b>午休与 POSTER 交流 / Adjourn &amp; POSTER Communication</b></p>

**W202-氮化镓材料与电力电子器件技术/ W202- Technologies for GaN Materials and Devices**

时间: 2018 年 10 月 25 日上午 09:00 -12:00

地点: 深圳会展中心 • 六层水仙厅

Time: Oct 25<sup>th</sup>, 2018 Morning 09:00 -12:00

Location: Shenzhen Convention and Exhibition Center • 6th Floor Narcissus Hall

**主持人 徐科/XU Ke**

**Moderator** 苏州纳维科技有限公司董事长、中科院苏州纳米技术与纳米仿生研究所/ President for Suzhou Nanowin Science and Technology Co., Ltd, Professor of Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), CAS

**张波/ZHANG Bo**

电子科技大学教授, 集成电路研究中心主任/ Professor & Director of the Center for the Integrated Circuits of University for Electronic Science and Technology of China

**刘扬/ LIU Yang**

中山大学电力电子及控制技术研究所所长、广东省第三代半导体 GaN 材料与器件工程技术研究中心主任/ Professor & Director of Institute of Power Electronics and Controlling Technology, Sun Yat-sen University. Director of Engineering Technology R&D Center of Guangdong Province for GaN Power Electronic Materials and Devices

**09:00-09:25 Current status and issues of AlGaIn-based lasers**

Motoaki IWAYA 日本名城大学副教授

Motoaki IWAYA Associate Professor of Meijo University, Japan

**09:25-09:50 全 GaN 功率集成技术**

**All-GaN Power Integration Technology**

陈敬 香港科技大学教授

Kevin J. CHEN Professor of the Hong Kong University of Science and Technology

**09:50-10:15 功率 GaN 器件驱动技术**

**High Reliability GaN FET drivers for next-generation power electronics technology**

张波 电子科技大学教授, 集成电路研究中心主任

ZHANG Bo Professor & Director of the Center for the Integrated Circuits of University for Electronic Science and Technology of China

**10:15-10:30 茶歇 / Coffee Break**

**10:30-10:55 A Smart Gate Driver IC for GaN Power Transistors**

Wai Tung NG 加拿大多伦多大学教授

Wai Tung NG Professor of University of Toronto, Canada

**10:55-11:20 宽禁带器件在汽车应用中的加速采用**

**Accelerated adoption of wide bandgap devices in automotive applications**

Michael HEUKEN 德国亚琛工业大学教授, AIXTRON SE 全球副总裁

Michael HEUKEN Professor of Rheinisch-Westfaelische Technische Hochschule Aachen, Germany, Vice President of AIXTRON SE

**11:20-11:45 Si 衬底上 GaN 基外延材料生长及杂质缺陷研究**

**Epitaxial Growth of GaN-on-Si and Impurity/Defect Investigation**

杨学林 北京大学高级工程师

	Dr. YANG Xuelin    Senior Engineer of Peking University
<b>11:45-12:00</b>	<b>Oxygen-Rich Defect Graphene Promoting AlN Nucleation and High-Quality AlN Film Epitaxial</b> 张翔    中科院半导体所 Dr. ZHANG Xiang    Institute of Semiconductors, Chinese Academy of Sciences

**W203-第三代半导体微波射频技术/ W203- RF Technology based on Wide Bandgap Semiconductors**

时间: 2018年10月24日上午09:00 -12:00  
地点: 深圳会展中心·五层菊花厅  
Time: Oct 24<sup>th</sup>, 2018 Morning 09:00 -12:00  
Location: Shenzhen Convention and Exhibition Center • 5th Floor Chrysanthemum Hall

**主持人    蔡树军/CAI Shujun**  
**Moderator**    河北半导体研究所副所长 / The Deputy Director of Hebei Semiconductor Research Institute  
**张乃千/ ZHANG Naiqian**  
苏州能讯高能半导体有限公司董事长/President of Dynax Semiconductor Inc.

**09:00-09:25    100nm and 60 nm GaN on Si    MMIC Processes and Products**  
Marc Christian ROCCHI    OMMIC 公司董事长, 巴黎高等电子研究所终身教授  
Marc Christian ROCCHI    Chairman of OMMIC Science and Technology Committee,  
Tenured Professor of Institut Supérieur d'Electronique de Paris

**09:25-09:50    适用于第五代行动通讯六吋与八吋硅基氮化镓微波器件解决方案**  
**6-inch and 8-inch GaN on Si RF HEMT Technology for 5G Communication Applications**  
邱显钦    台湾长庚大学教授  
Hsien-Chin CHIU    Professor of Chang Gung University, Taiwan

**09:50-10:15    III 族氮化物基射频 HEMT、HBT 与滤波器**  
**III-Nitride based RF devices: HEMT, HBT and filters**  
张韵    中科院半导体研究所所长助理, 研究员  
ZHANG Yun    Professor and Assistant to Director of the Institute of semiconductors, CAS

**10:15-10:30    茶歇/Coffee Break**

**10:30-10:55    用于微波无线电能传输的氮化镓射频肖特基二极管**  
**Gallium Nitride RF Schottky Barrier Diodes for Microwave Wireless Power Transmission**  
敖金平    日本德岛大学教授, 西安电子科技大学特聘教授、  
AO Jinping    Professor of the University of Tokushima, Specially-Appointed Professor of  
Xidian University

**10:55-11:15    以系统方法实现氮化镓射频功率器件的高可靠性: 我们的成就及新进展**  
**High reliability of GaN RF power devices through a systematic approaching: Our achievements and the new progress**  
李元    苏州能讯高能半导体有限公司  
Dr. LI Yuan    Dynax Semiconductors

**11:15-11:40 基于氮化钛源极扩展技术的常关型氟离子处理的 AlGaN/GaN 高电子迁移率晶体管 (fT/fmax=61GHz/130GHz)**  
**Normally-off fluoride-based plasma treatment AlGaN/GaN HEMTs with maximum fT and fmax of 61GHz/130GHz using TiN-based source ledge**  
 杨凌 西安电子科技大学副教授  
 YANG Ling Associate Professor of Xidian University

**11:40-12:00 GaN 内匹配封装器件仿真技术研究**  
**Simulation technology of GaN internal matching package devices**  
 李静强 河北半导体研究所高级工程师  
 LI Jingqiang Senior Engineer of Hebei Semiconductor Research Institute

**12:00-14:00 午休与 POSTER 交流 / Adjourn & POSTER Communication**

**W204-功率器件封装与应用/ W204-Power Devices Packaging and Application**

时间: 2018 年 10 月 25 日上午 09:00 -12:00  
 地点: 深圳会展中心•六层郁金香厅  
 Time: Oct 25<sup>th</sup>, 2018 Morning 09:00 -12:00  
 Location: Shenzhen Convention and Exhibition Center • 6th Floor Tulip Hall

**主持人 陆国权/Guo-Quan LU**  
**Moderator** 天津大学材料科学与工程学院教授、弗吉尼亚理工大学终身教授/ Tenured Professor of Virginia Polytechnic Institute and State University, Professor of Tianjin University  
**张国旗/ ZHANG Kouchi**  
 荷兰代尔夫特理工大学教授, IEEE 会士/ Chair Professor for Micro/Nanoelectronics System Integration and Reliability of Delft University of Technology, IEEE Fellow

**09:00-09:25 10 kV SiC MOSFET 封装: 电气和热性能之间的权衡**  
**Packaging of 10 kV SiC MOSFETs: Trade-Off Between Electrical and Thermal Performances**  
 Prof. Cyril BUTTAY 法国国家科学研究中心(CNRS)科学家  
 Prof. Cyril BUTTAY Scientist at the French Centre National de Recherche Scientifique (CNRS), France

**09:25-09:50 电动汽车用平面型双面水冷碳化硅模块的封装关键技术**  
**Packaging of a Planar, Double-side Cooled SiC Power Module for Electric Vehicles**  
 陆国权 天津大学材料科学与工程学院教授、弗吉尼亚理工大学终身教授  
 Guo-Quan LU Professor of Tianjin University, Tenured Professor of Virginia Polytechnic Institute and State University

**09:50-10:15 宽禁带功率器件封装与集成的挑战与机遇**  
**Challenges and Opportunities in Package and Integration of Wide Bandgap Power Devices**  
 王来利 西安交通大学教授

	WANG Laili    Professor of Xi'an jiaotong university
<b>10:15-10:40</b>	<b>纳米铜用于功率半导体封装的工艺研究</b> <b>The packaging technology: nanoCu for die attach</b> 叶怀宇    重庆大学教授 YE Huaiyu    Professor of Chongqing University
<b>10:40-10:55</b>	<b>茶歇/Coffee Break</b>
<b>10:55-11:20</b>	<b>SiC MOSFETs 的最新进展</b> <b>Recent Progress in SiC MOSFETs at CETC55</b> 黄润华    南京电子器件研究所宽禁带半导体电力电子器件国家重点实验室副主任, 研究员 HUANG Runhua    Professor and Associate Director State Key Laboratory of Wide-Bandgap Semiconductor Power Electronic Devices of CETC55
<b>11:20-11:45</b>	<b>碳化硅混合开关器件初探</b> <b>SiC hybrid switching device investigation</b> 宁圃奇    中国科学院电工研究所研究员 NING Puqi    Professor of Institute of Electrical Engineering, CAS
<b>11:45-12:10</b>	<b>宽禁带器件应用在 AGV 电力电子系统中的优势</b> <b>Advantages of WBG devices in AGV power electronics system</b> 李天河    香港应用科技研究院有限公司电子元件部高级经理 Dr. River T.H. LI    Senior Manager of Electronics Components at Hong Kong Applied Science and Technology Research Institute Company Limited

<b>W205-超宽禁带半导体技术/ W205- Ultra-Wide Bandgap Semiconductor Technology</b>	
时间: 2018 年 10 月 24 日下午 14:00 -17:00	
地点: 深圳会展中心•五层玫瑰厅 2	
Time: Oct 24 <sup>th</sup> , 2018 Afternoon 14:00 -17:00	
Location: Shenzhen Convention and Exhibition Center • 5th Floor Rose Hall 2	
<b>主持人</b>	<b>刘明/LIU Ming</b>
<b>Moderator</b>	中国科学院微电子研究所研究员, 中国科学院院士/ Professor of Institute of Microelectronics of Chinese Academy of Sciences, Academician of Chinese Academy of Sciences
	<b>龙世兵/LONG Shibing</b>
	中国科学院微电子研究所研究员, 中国科学院大学微电子学院的副院长/ Professor at Institute of Microelectronics of Chinese Academy of Sciences, Academician of Chinese Academy of Sciences
<b>14:00-14:25</b>	<b>Direct Bonding of Diamond and Si at Toom Temperature by Surface Activated Bonding</b> Dr. Jianbo LIANG    日本大阪市立大学 Dr. Jianbo LIANG    Osaka City University, Japan
<b>14:25-14:50</b>	<b>高质量氧化镓单晶的生长及性能表征</b>

	<p><b>Single crystal growth and characterization of <math>\beta</math>-Ga<sub>2</sub>O<sub>3</sub></b>  陶绪堂 山东大学教授、晶体材料国家重点实验室主任  Prof. TAO Xutang Professor &amp; Director of State Key Laboratory of Crystal Material at Shandong University</p>
14:50-15:15	<p><b>采用 MPCVD 方法实现单晶金刚石 n 型掺杂快速生长</b>  <b>Realization of fast growth of n-type doping single crystal diamond through MPCVD method</b>  王宏兴 西安交通大学教授  WANG Hongxing Professor of Xi'an Jiaotong University</p>
15:15-15:40	<p><b>Mo 源及其他材料在超宽禁带半导体中的应用</b>  <b>Application of MO source and other materials on ultra wide-band gap semiconductors</b>  杨敏 江苏南大光电材料股份有限公司技术总监  YANG Min Technical Director of Jiangsu Nata Opto-Electronic Material Co.,Ltd.</p>
15:40-15:55	<p><b>茶歇/Coffee Break</b></p>
15:55-16:20	<p><b>六方氮化硼的生长</b>  <b>Growth Mechanisms of h-BN on Sapphire Substrate by Metal Organic Vapor Phase Epitaxy</b>  刘玉怀 郑州大学教授、名古屋大学客座教授  LIU Yuhuai Professor of Zhengzhou University; Adjunct Professor of Nagoya University, Japan</p>
16:20-16:40	<p><b>高温热退火工艺对分子束外延二维氮化硼薄膜晶体质量的影响</b>  <b>Crystalline quality improvement of MBE-deposited sp<sup>2</sup> -BN thin films by post thermal annealing</b>  刘放 北京大学  Dr. LIU Fang Peking University</p>
16:40-17:00	<p><b>基于 YSZ 介质层的氢终端金刚石场效应晶体管</b>  <b>Hydrogen-terminated diamond field-effect transistor with YSZ dielectric layers</b>  王艳丰 西安交通大学  Dr. WANG Yanfeng Xi'an Jiaotong University</p>

<b>S206/W206-半导体装备与智能制造/ S206/W206-Semiconductor Equipment Technologies and Intelligent Manufacturing</b>	
时间: 2018 年 10 月 24 日下午 14:00 -17:00 地点: 深圳会展中心·五层牡丹厅 Time: Oct 24 <sup>th</sup> , 2018 Afternoon 14:00 -17:00 Location: Shenzhen Convention and Exhibition Center • 5th Floor Peony Hall	
<b>主持人</b>	<b>曾一平/ZENG Yiping</b>

<b>Moderator</b>	中国科学院半导体研究所研究员/ Professor of Institute of Semiconductors, Chinese Academy of Sciences
<b>14:00-14:25</b>	<b>AlGaN MOCVD Simulation for Growth Optimization and Reactor Design</b> Kazuhiro OHKAWA 沙特阿卜杜拉国王科技大学教授 Kazuhiro OHKAWA Professor of King Abdullah University of Science and Technology, Saudi Arabia
<b>14:25-14:45</b>	<b>磁控溅射制备的 ITO 薄膜在 LED 领域中的开发及应</b> <b>Development and Applications of Magnetron Sputtered ITO Film in LED</b> 董博宇 北京北方华创微电子装备有限公司产品总监 DONG Boyu Product Director of Beijing NAURA Microelectronics Equipment Co., Ltd
<b>14:45-15:10</b>	<b>AlN MOCVD 的气相和表面反应机理的量子化学计算</b> <b>Gas phase and surface reaction mechanism of AlN MOCVD by quantum chemistry calculations</b> 左然 江苏大学教授 ZUO Ran Professor of Jiangsu University
<b>15:10-15:30</b>	<b>氮化物深紫外 LED 生产型 MOCVD 机台设计及外延生长的挑战 Challenges of High Temperature MOCVD Platform Design &amp; Epitaxial Growth for AlN-based UVC LED Productions</b> 郭世平 中微半导体设备（上海）有限公司 副总裁 & MOCVD 产品事业部总经理 GUO Shiping VP & GM of MOCVD Product & Business Group of Advanced Micro-Fabrication Equipment Inc.
<b>15:30-15:45</b>	<b>茶歇/Coffee Break</b>
<b>15:45-16:05</b>	<b>Micro-LED 显示屏：关键制造挑战和 MOCVD 技术</b> <b>Micro-LED Displays: Key Manufacturing Challenges and MOCVD Technology</b> Mark MCKEE 美国维易科精密仪器有限公司市场营销总监 Mark MCKEE Marketing Director at Veeco Instruments., USA
<b>16:05-16:30</b>	<b>国产离子注入机发展及应用</b> <b>The Development and Application of Ion Implanter in China</b> 张丛 中电科电子装备集团有限公司离子注入机技术总监 Dr. ZHANG Cong Director of R&D of CETC Electronics Equipment Group Co., Ltd.
<b>16:35-16:55</b>	<b>6 英寸 GaN 衬底生长用 HVPE 反应腔的三维数值模拟</b> <b>3D Numerical Simulation on HVPE Chambers for 6-inch GaN Wafer Growth</b> 陈琳 南京大学 Dr. CHEN Lin Nanjing University

## S207/W207-可靠性与热管理技术 / S207/W207-Technologies for Reliability and Thermal Management

时间：2018 年 10 月 24 日上午 09:00 -12:00

地点：深圳会展中心•五层玫瑰厅 2

Time: Oct 24<sup>th</sup>, 2018 Morning 09:00 -12:00

Location: Shenzhen Convention and Exhibition Center • 5th Floor Rose Hall 2

**主持人** 李世玮/ Shi-Wei.Ricky LEE

**Moderator** 香港科技大学教授/ Professor of Hong Kong University of Science and Technology

**9:00-9:30 Enabling System Performance from Practical Thermal Innovation**

Gamal REFAI-AHMED 美国 Xilinx Inc.杰出工程师、纽约州立大学宾汉姆顿分校客座教授

Gamal REFAI-AHMED Distinguished Engineer of Xilinx Inc., USA; Adjunct Professor of Binghamton University, State University of NewYork

**9:30-9:55 量子点 LED 封装与热管理**

**Packaging and thermal management of quantum dots-converted white light-emitting diodes**

罗小兵 华中科技大学能源与动力工程学院院长中欧清洁与可再生能源学院中方院长, 教授

LUO Xiaobing Professo & Dean of School of Energy and Power Engineering, China-Europe School for Clean and Renewable Energy, of Huazhong University of Science and Technology

**9:55-10:20 电子封装中界面层裂的仿真模拟与表征 Modeling and Characterization of Interface delamination Failure in Electronic Packaging;**

杨道国 桂林电子科技大学机电工程学院院长、教授

YANG Daoguo Professor and Dean of Guilin University of Electronic Technology

**10:20-10:35 茶歇/Coffee Break**

**10:35-11:00 Semiconductor Batch Performance in Terms of Bath Tub Curve Types and Similarity Index**

Rob ROSS 荷兰代尔夫特理工大学高压能量系统的性能部门教授

Rob ROSS Professor of Performance of High Voltage Energy Systems of Delft University of Technology, Netherlands

**11:00-11:25 如何从光热分布角度提高 LED 产品质量性能**

**How to improve LED quality from light and thermal distribution**

方方 广东金鉴实验室科技有限公司董事长

FANG Fang President of Gold Medal Analytical & Testing Group

**11:25-11:50 用于封装可靠性评估的热机测试芯片的设计与制备**

**Design and fabrication of a thermal mechanical test chip for package reliability assessments**

陶勉 香港科技大学

Dr. TAO Mian Hong Kong University of Science and Technology

**11:50-12:05 热界面材料的特性及其对 LED 车灯散热和可靠性的影响研究**

**Properties of Thermal Interface Materials and Its Impact on Thermal Dissipation and Reliability of LED Automotive Lighting**

李茹 常州星宇车灯股份有限公司工程师



Mr. LI Ru Engineer of Changzhou Xingyu Automotive Lighting Systems Co., Ltd

12:00-14:00 午休与 POSTER 交流 / Adjourn & POSTER Communication

## S208/W208-Micro-LED 与其他新型显示技术/ S208/W208-Technologies for Micro-LED and Novel Display

时间: 2018 年 10 月 24 日全天 09:00 -17:30

地点: 深圳会展中心•五层玫瑰厅 3

Time: Oct 24<sup>th</sup>, 2018 09:00 -17:30

Location: Shenzhen Convention and Exhibition Center • 5th Floor Rose Hall 3

**主持人 沈波/ SHEN Bo**

**Moderator** 北京大学物理学院教授, 理学部副主任/Professor & Deputy Director, School of Science, Peking University

**刘纪美/ Kei May LAU**

香港科技大学首席教授/Chair Professor of The Hong Kong University of Science and Technology

**刘国旭/Jay LIU**

易美芯光 (北京) 科技有限公司执行副总裁兼 CTO / Executive Vice President & CTO of ShineOn (Beijing) Technology

**09:00-09:25 Flexible micro-LED displays through heterogeneous integration of thin-film transistors and III-V optoelectronic devices**

William WONG 加拿大滑铁卢大学教授

William WONG Professor of the University of Waterloo, Canada

**09:25-09:50 Micro-LED displays: Benefits and Issues of the Monolithic Approach**

刘纪美 香港科技大学首席教授

Kei May LAU Chair Professor of The Hong Kong University of Science and Technology

**09:50-10:15 Operation behavior under extremely high injection level for GaN-based micron LED**

陈志忠 北京大学教授

CHEN Zhizhong Professor of Peking University

**10:15-10:30 茶歇/Coffee Break**

**10:30-10:55 三基色 LD 激光显示技术**

**Laser display technology based on RGB semiconductor lasers**

毕勇 中国科学院理化技术研究所研究员

Bi Yong Professor of Technical Institute of Physics and Chemistry, CAS

**10:55-11:15 135%NTSC 色域的 CsPbX<sub>3</sub> 钙钛矿量子点薄膜**

**A color gamut of 135% NTSC achieved by CsPbX<sub>3</sub> perovskite quantum dots with enhanced stability**

张树宇 复旦大学副教授

ZHANG Shuyu Associate Professor of Fudan University

<b>11:15-11:35</b>	<b>Micro 和 Mini LED 焊接技术/ Micro and Mini LED Bonding Methods</b> 桑永昌 广东德豪润达电气股份有限公司 LED 芯片事业部 产品经理 Dr. SANG Yongchang Product Manager of LED Chip Business Unit at Elec-Tech International Co., Ltd.
<b>11:35-12:00</b>	<b>Shaping of the <math>\mu</math>-LED chips aimed at formation of internal micro-reflectors, as a way of considerable Light Extraction Efficiency improvement</b> Mark RAMM 俄罗斯 STR 集团有限公司 Mark RAMM STR Group, Inc, Russia
<b>12:00-14:00</b>	<b>午休与 POSTER 交流 / Adjourn &amp; POSTER Communication</b>
<b>主持人</b>	<b>闫春辉/Chris Yan</b>
<b>Moderator</b>	佛山国星光电股份有限公司副总经理/Vice General Manager of Foshan NationStar Optoelectronics Co.Ltd. <b>马松林/Ma Songlin</b> TCL 集团工业研究院副院长/Deputy Director of Industrial Research Institute, TCL Group. <b>刘召军/ LIU Zhaojun</b> 南方科技大学副教授/ Associate Professor of Southern University of Science and Technology
<b>14:00-14:25</b>	<b>可实现全彩微显示的新型微结构 LED</b> <b>Novel micro scale LED for full color micro display</b> 郭浩中 台湾交通大学特聘教授 Hao-Chung(Henry) KUO Distinguished Professor at National Chiao Tung University
<b>14:25-14:50</b>	<b>High-resolution GaN-based Micro-LEDs for Displays and Multiple Functions</b> <b>多功能化氮化镓基高分辨率 Micro-LED 显示器</b> 刘召军 南方科技大学副教授 LIU Zhaojun Associate Professor of Southern University of Science and Technology
<b>15:50-15:15</b>	<b>基于显微高光谱成像技术的发光器件/阵列表面光热特性分布测试</b> <b>Surface distribution of photo-thermal properties of light-emitting devices/arrays based on micro-hyperspectral imaging technique</b> 吕毅军 厦门大学电子科学系教授, 福建省半导体照明工程技术研究中心副主任 LV Yijun Professor of Xiamen University, Deputy Director of Fujian Engineering Research Center for Solid-State Lighting
<b>15:15-15:40</b>	<b>高压 LED 和微显示芯片设计及制备技术</b> <b>Design and fabrication of HV LED and Micro LED array</b> 郭伟玲 北京工业大学教授 GUO Weiling Professor of Beijing University of Technology
<b>15:40-15:55</b>	<b>茶歇/Coffee Break</b>
<b>15:55-16:20</b>	<b>氮化镓微/纳米 LED 与量子点混合结构的高品质白光器件</b> <b>Hybrid nitride-based micro/nano-LEDs with quantum dots for high performance white emission</b>

	刘斌	南京大学电子科学与工程学院教授
	LIU Bin	Professor of School of Electronic Science and Engineering, Nanjing University
<b>16:20-16:40</b>	<b>High Volume Manufacturing MOCVD Solutions for Red, Green and Blue micro LEDs</b>	
	Jens VOIGT	德国爱思强产品管理总监
	Jens VOIGT	Director Product Management of AIXTRON SE, Germany
<b>16:40-17:05</b>	<b>智能 GaN 基 micro-LED 阵列</b>	
	<b>Smart GaN-based micro-LED arrays</b>	
	田朋飞	复旦大学副教授
	TIAN Pengfei	Associate Professor of Fudan University

<b>S301/W301 汽车照明与汽车电子/ Automotive Lighting &amp; Automotive Electronics</b>	
时间: 2018 年 10 月 24 日全天 09:00 -17:20	
地点: 深圳会展中心·六层桂花厅	
<b>09:00-9:05</b>	<b>欢迎辞</b>
<b>09:05-9:30</b>	<b>车用 LED 照明关键技术与应用</b> 欧司朗光电半导体(中国)有限公司
<b>09:30-9:55</b>	<b>汽车前照大灯智能化的现状与发展</b> 天津工业大学大功率半导体照明应用系统教育部工程研究中心
<b>09:55-10:20</b>	<b>汽车用 LED 灯具技术进展</b> 常州星宇车灯股份有限公司
<b>10:20-10:35</b>	<b>茶歇</b>
<b>10:35-11:00</b>	<b>汽车照明用 LED 芯片器件的技术发展趋势</b> 广东德豪润达电气股份有限公司
<b>11:00-11:25</b>	<b>可靠度检验与高质量 LED 车灯</b> 德凯宜特(昆山)检测有限公司
<b>11:25-11:55</b>	<b>Impact of Usage conditions on thermal Management: Example Automotive Camera Advanced</b> Gamal Refai-Ahmed 美国 Xilinx Inc.杰出工程师、纽约州立大学宾汉姆顿分校客座教授
<b>12:00-14:00</b>	<b>午休</b>
<b>14:00-14:25</b>	<b>电动汽车电驱动技术</b> 蔡蔚 精进电动科技股份有限公司创始人
<b>14:25-14:50</b>	<b>新能源汽车与第三代半导体发展机遇</b> 北汽新能源
<b>14:50-15:15</b>	<b>电动汽车用第三代半导体器件</b> 朱文斌 英飞凌汽车事业部市场经理
<b>15:15-15:40</b>	<b>新能源汽车用功率器件解决方案</b>

	刘国友 株洲中车时代电气股份有限公司副总工程师
<b>15:40-15:55</b>	<b>茶歇</b>
<b>15:55-16:20</b>	<b>电机控制器标准体系及碳化硅技术下的发展</b> 宋强 北京理工大学电动车辆国家工程实验室副教授、博导
<b>16:20-16:40</b>	<b>碳化硅 MOSFET 在新能源应用中的机遇与挑战</b> 刘学超 香港应用科技研究院有限公司高级经理
<b>16:40-17:00</b>	<b>车用高功率密度 SIC 逆变器 EMI 预测</b> 徐菊 中科院电工所研究员
<b>17:00-17:20</b>	<b>汽车级 IGBT 及 SiC 驱动技术介绍</b> 黄辉 青铜剑科技研发总监

<b>S302/W302 知识产权运营 / Intellectual Operations</b>	
会议时间: 2018年10月25日 上午9:00-12:00	
会议地点: 广东·深圳会展中心·五层牡丹厅	
<b>09:00-09:05</b>	<b>欢迎辞</b>
<b>09:05-09:30</b>	<b>第三代半导体知识产权运营分析报告</b> 汪勇 国家知识产权局发展研究中心研究员
<b>09:30-09:55</b>	<b>全球 LED 专利布局及诉讼案件分析</b> 苏慧伦 美国 Alston & Bird 律师事务所合伙人
<b>09:55-10:15</b>	<b>中国半导体行业知识产权运营现状</b> 苏清新 高智创新(北京)科技有限公司董事长
<b>10:15-10:35</b>	<b>基于社会共治立体保护体系的新产业知识产权运营</b> 孙长江 中国产学研合作促进会知识产权保护中心副主任
<b>茶歇</b>	
<b>10:45-11:05</b>	<b>国产重大装备崛起之专利风险规避</b> 中微半导体设备(上海)有限公司
<b>11:05-11:25</b>	<b>应诉美国 337 调查心路历程及经验分享</b> 应诉企业
<b>11:25-12:00</b>	<b>圆桌对话</b> <b>议题:</b> 1、337及专利战新近变化及应对策略 2、针对知识产权保护与专利侵权事件处理方法 3、企业如何做好专利运营与风险规避

<b>S303 智慧城市与智慧照明 / Smart City &amp; Intellectual Lighting</b>	
时间: 2018年10月24日全天 09:00 -17:30	
地点: 深圳会展中心·六层茉莉厅	
<b>9:00-9:05</b>	<b>欢迎辞</b>

9:05-9:30	<b>我国智慧城市规划与智慧照明发展机遇</b> 刘朝晖 中国城市科学研究会数字城市工程研究中心常务副主任
9:30-9:50	<b>智慧城市技术与解决方案</b> 冯纪武 中国城市科学研究会绿色智慧城镇技术创新中心办公室主任
9:50-10:15	<b>城市的智慧化需求与战略路径</b> 广东佛山南海城市代表
10:15-10:35	<b>茶歇</b>
10:35-11:35	<b>从智能到智慧-边缘的力量</b> 管震 微软中国有限公司首席技术顾问 周子勋 深圳米斯 CTO 杨辉 云基众智 CEO
11:35-11:55	<b>数据可视化处理赋能智慧照明</b> 侯敏聪 深圳前海全天智能资讯有限公司产品总监
12:00-14:00	<b>午休</b>
14:00-14:25	<b>住在未来——智慧照明与城市地标</b> Steven Bai Sencity 公司 CEO
14:25-14:50	<b>CSA051 标准——智慧照明的互联互通互换解决之道</b> 陈凯 杭州华普永明光电股份有限公司 董事长
14:50-15:15	<b>NB 技术在路灯领域应用展望</b> 唐建波 华为运营商 BG 物联网服务技术总监
15:15-15:40	<b>智慧照明整体方案铸就港珠澳大桥经典</b> 许礼 上海三思电子工程有限公司副总经理
15:40-16:00	<b>茶歇</b>
16:00-16:25	<b>基于石墨烯智慧路灯的道路大数据生态构建与运营</b> 江维 湖州明朔光电科技有限公司副总经理
16:25-16:50	<b>针对智慧照明的网络安全解决方案</b> 刘熙胖 信大捷安信息技术股份有限公司总经理
16:50-17:15	<b>LED 路灯控制装置质量现状及提升建议</b> 中国赛宝实验室

### S304 照明设计与城市景观 / Lighting Design & Urban Landscapes

时间: 2018 年 10 月 25 日上午 09:00 -12:00

地点: 深圳会展中心·六层茉莉厅

**09:00-09:05 欢迎辞**

**人文观照与创意表达单元**

主持人: 王立雄 天津大学建筑学院建筑技术科学研究所所长

<b>09:05-09:30</b>	<b>光的符号性与文学性</b> 杜异 清华大学美术学院环境艺术设计系教授
<b>09:30-09:55</b>	<b>城市设计与夜景照明的功能价值</b> 王立雄 天津大学建筑学院建筑技术科学研究所所长
<b>09:55-10:20</b>	<b>创意表达带动情感共鸣</b> 王声亮 深圳市世纪光华照明技术有限公司深圳分公司经理
<b>10:20-10:30</b>	<b>茶歇</b>
<b>10:30-10:55</b>	<b>引光入城</b> 许东亮 栋梁国际照明设计(北京)有限公司总经理
<b>实施方案与技术革新单元</b> 主持人: 邵嘉平 欧司朗光电半导体(中国)有限公司通用照明事业部大中华区负责人	
<b>10:55-11:15</b>	<b>LED 器件技术发展为景观照明提供优异解决方案</b> 林铁 上海科锐光电发展有限公司
<b>11:15-11:40</b>	<b>城市灯光秀系统控制方法及案例</b> 李澄 北京新时空照明技术有限公司总工程师
<b>11:40-12:00</b>	<b>优秀品质点亮美丽夜空——城市级亮化项目产品质量与系统控制</b> 熊敬康 半导体照明联合创新国家重点实验室副院长

<b>S404/W404 张家港高新区招商推介会/ ZJG High Tech Zone Investment Promotion Conference</b>	
时间: 2018年10月24日上午9:00-11:40	
地点: 深圳会展中心·六层郁金香厅	
Time: Oct 24 <sup>th</sup> , 2018 Morning 9:00 -11:40	
Location: Shenzhen Convention and Exhibition Center • 6th Floor Tulip Hall	
<b>08:30-09:00</b>	<b>张家港暖场宣传片</b>
<b>09:00-09:05</b>	<b>主持人介绍现场嘉宾</b>
<b>09:05-09:15</b>	<b>领导致辞</b>
<b>09:15-09:35</b>	<b>张家港高新区半导体发展规划及招商政策宣讲</b> 张家港高新技术产业开发区管委会
<b>09:35-09:55</b>	<b>企业发展规划和落地经验</b> 华灿光电、锘威特等
<b>09:55-10:05</b>	<b>项目签约</b>
<b>10:05-10:10</b>	<b>总结讲话</b>
<b>10:10-10:25</b>	<b>茶歇</b>
<b>10:25-10:40</b>	<b>第三代半导体行业发展趋势报告</b> 于坤山 第三代半导体产业技术创新战略联盟秘书长

10:40-10:55	<b>第三代半导体创新战略与企业需求</b> 汪之涵 青铜剑科技董事长
10:55-11:10	<b>第三代半导体的投资融资</b> 投资机构代表
11:10-11:40	<b>对话交流：如何看待构建半导体产业生态及未来发展趋势</b> 对话嘉宾：第三代半导体相关企业代表、投融资机构

**2018 AIXTRON 研讨会/2018 AIXTRON Seminar**  
**针对化合物半导体的高速增长产业的技术/Technologies for High Growth Businesses relying on Compound Semiconductors**

时间：2018年10月24日下午13:30-17:20

地点：深圳会展中心·六层郁金香厅

Time: Oct 24<sup>th</sup>, 2018 Afternoon 13:30-17:20

Location: Shenzhen Convention and Exhibition Center • 6th Floor Tulip Hall

13:30-13:35	<b>开幕致辞</b> <b>Opening Speech</b> 宋伟 德国爱思强股份有限公司中国区总经理 William Song General Manager of Aixtron China Limited
13:35-14:00	<b>GaAs/InP 基化合物半导体外延片产业化</b> <b>Industrialization of Epi Manufacturing for GaAs and InP based Compound Semiconductor Devices</b> 单智发 全磊光电股份有限公司首席技术官/副总经理 Zhi Fa Shan Chief Technology Officer / Vice General Manager of Epihouse
14:00-14:25	<b>VCSEL 和边发射激光器在 3D 感应中的应用及其市场趋势</b> <b>VCSEL and Edge Emitter Laser for 3D Sensing Application and the Marketing Trend</b> Ken Huang 美国 Lumentum 公司资深产品线经理 Ken Huang Sr. Product Line Manager of Lumentum
14:25-14:50	<b>200mm CMOS 工艺兼容硅基氮化镓射频和功率器件平台于 5G 应用</b> <b>200mm CMOS - compatible GaN on Si RF and Power Device Platform for 5G application</b> 黄敬源 英诺赛科(珠海)科技有限公司研发副总裁 Roy King-Yuen Wong Vice President of Research and Development of Innoscience (Zhuhai) Technology Co., Ltd.
14:50-15:15	<b>英飞凌 Cool GaN™ 技术介绍</b> <b>Infineon CoolGaN™ Technology Introduction</b> 程文涛 英飞凌科技(中国)有限公司应用市场部经理 Winter Cheng Application and Marketing Manager of Infineon Technology China

	Co, Ltd.
<b>15:15-15:40</b>	<b>茶歇</b>
<b>15:40 - 16:05</b>	<b>PixeLED Display 的发展和未来的挑战</b> <b>Development of PixeLED Display and Future Challenges</b> Falcon Liu 鏢創科技股份有限公司市场总监 Falcon Liu Marketing Director of PlayNitride Inc.
<b>16:05-16:30</b>	<b>多级变速法生长 AlGaAs 电流扩展层的红外发光二极管</b> <b>Infrared Light-Emitting Diodes Composed of AlGaAs Current Spreading Layers Grown by Multi-step Variable Growth Rate Method</b> 陈凯轩 厦门乾照光电股份有限公司技术总监 Kai Xuan Chen Chief Technology Officer of Xiamen Changelight Co. Ltd.
<b>16:30-16:55</b>	<b>基于多种基底上 AlN 和 UVC LED 的 MOCVD 外延生长</b> <b>MOCVD Epitaxy of AlN and UV LED on Various Foundations</b> 闫建昌 中国科学院半导体研究所研究员 Jian Chang Yan Researcher of Institute of Semiconductor CSA
<b>16:55 - 17:20</b>	<b>使用大型反应腔的高产能 SiC 同质外延工艺</b> <b>High Productivity SiC Homoepitaxial Processes in a Large Capacity Production Reactor</b> 李曜 德国爱思强股份有限公司资深工艺工程师 Yao Li Senior Process Engineer of Aixtron China Limited

### 国际半导体照明联盟 2018 年成员大会/ ISA 2018 General Assembly

时间: 2018 年 10 月 23 日上午 09:15 -12:30

地点: 深圳会展中心·五层玫瑰厅 3

Time: Oct 23<sup>rd</sup>, 2018 Morning 09:15 -12:30

Location: Shenzhen Convention and Exhibition Center • 5th Floor Rose Hall 3

**09:15–09:20 Welcome Address by the President of ISA**

**国际半导体照明联盟主席致欢迎词**

曹健林 ISA 主席

Jianlin Cao President of ISA

**09:20–09:25 ISA General Assembly 2018 Group Photo**

**国际半导体照明成员大会 (2018) 合照**

全体成员

All

**09:25–10:10 第一部分: ISA 工作报告 2018 / Section 1: Working Reports 2018**

**09:25–09:40 Report of ISA Working Meeting and events 2018**

**国际半导体照明联盟 2018 年工作会议及活动报告**



	岳瑞生 ISA 联合秘书长 Ruisheng Yue <i>Co-Secretary General of ISA</i>
09:40–09:50	<b>Report of the Technical Committee on Standardization (TCS)</b> <b>国际半导体照明联盟标准化技术委员会工作报告</b> 杨鹤 ISA 副秘书长 Crane Yang <i>Executive Secretary of ISA</i>
09:50–10:10	<b>Introduction on the ISA Industry Report 2018</b> <b>国际半导体照明联盟 2018 年产业报告介绍</b> Norman Bardsley ISA 首席分析师 Norman Bardsley <i>ISA Chief Analyst</i>
10:10–11:40	<b>第二部分: 产业发展趋势/ Section 2: The Way Forward</b>
10:10–10:40	<b>“LiFi – The Catalyst for New LED Applications”</b> <b>“LiFi – LED 新应用之催化剂”</b> Harald Haas ISA 顾问委员会成员 Harald Haas Professor of University of Edinburgh, Member of ISA Board of Advisors
10:40–11:00	<b>“LiFi Development in China” (TBC)</b> <b>“LiFi 在中国的发展”</b> 迟楠 复旦大学教授 Nan Chi Professor of Fudan University
11:00–11:20	<b>“The Connective Lighting, The New Osram” (TBC)</b> <b>“以光互联, 万物新生”</b> <i>Osram (TBC)</i>
11:20–11:40	<b>“The Future of Lighting”</b> <b>“照明的未来”</b> Robert Karlicek ISA 顾问委员会成员 Robert Karlicek Member of ISA Board of Advisors
11:40–12:20	<b>第三部分: 国际半导体照明联盟颁奖及新成员授牌仪式/ Section 3: ISA Awards Ceremony and Issue the Membership Certificates</b>
11:40–12:10	<b>Award Ceremony for the Global SSL Showcase Top 100 (2018)</b> <b>全球半导体照明示范工程 100 佳 (2018) 颁奖仪式</b> ISA 理事会成员 The Members of ISA Executive Member Meeting
12:10–12:20	<b>Membership Certificate Ceremony for New ISA Members</b> <b>国际半导体照明联盟新成员授牌仪式</b> ISA 理事会成员 The Members of ISA Executive Member Meeting
12:20–12:30	<b>Conclusion &amp; Action Items</b>

<b>会议总结</b>	
<b>12:30</b>	<b>Adjourn 休会</b>

**第三代半导体产业技术创新战略联盟第一届理事会第六次会议暨第一届第四次会员大会 / The 6th Meeting of the 1st Council & The 4th Meeting of the 1st General Assembly of CASA**

时间: 2018年10月23日上午 09:15 -12:30  
地点: 深圳会展中心•六层郁金香厅  
Time: Oct 23<sup>rd</sup>, 2018 Morning 09:15 -12:30  
Location: Shenzhen Convention and Exhibition Center • 6th Floor Tulip Hall

**第一届第六次理事会**

<b>09:00-09:05</b>	主持人介绍会议流程
<b>09:05-09:20</b>	审议表决 1、章程修改 2、分委会管理办法 3、新分委会设立
<b>09:20-09:50</b>	2019年度工作建议与讨论

**第一届第四次会员大会**

<b>10:00-10:05</b>	主持人开场
<b>10:05-10:15</b>	2018年联盟工作总结及2019年工作计划
<b>10:15-10:35</b>	分委员会工作汇报
<b>10:35-10:50</b>	换届及新成立委员会工作汇报及聘书颁发
<b>10:50-10:55</b>	联盟贡献表彰
<b>10:55-11:00</b>	第三届 CASA 第三代半导体卓越创新青年评选颁奖
<b>11:00-12:00</b>	深圳第三代半导体研究院发展战略研讨