



中国化学与物理电源行业协会

China Industrial Association of Power Sources

CIBF2018

**The 13th China International Conference
on the Frontier Technology of Advanced Batteries**

第十三届先进电池前沿技术国际论坛

May 22-24, 2018

**Plum Blossom Hall, 5th floor, Shenzhen Convention Center,
(the third Fuhua Avenue, Futian Center, Shenzhen, China)**

Organizer: China Industrial Association of Power Sources

**2018年5月22日~24日, 深圳会展中心五楼梅花厅
(地址: 深圳市福田区福华三路)**

主办单位

Organizers

中国化学与物理电源行业协会

China Industrial Association of Power Sources

中国电子科技集团公司第十八研究所

Tianjin Institute of Power Sources

化学与物理电源重点实验室

National Key Lab. of Chemical & Physical Power Sources

新型电源国家工程研究中心

National Engineering Research Center of New Power Sources

国家化学与物理电源产品质量监督检验中心

National Quality Supervision & Testing Center of Chemical & Physical Power Sources

中国电子学会化学与物理电源技术分会

Chemical & Physical Power Source Branch, Chinese Institute of Electronics

中国电工技术学会电池专业委员会

Battery Committee, Chinese Electrotechnical Society

全国碱性蓄电池标准化技术委员会
National Technical Committee on Alkaline Storage Battery of SAC
全国太阳能光伏能源系统标准化技术委员会
National Technical Committee on Solar PV Energy System of SAC

Program
会议议程

Honorary Chairman: Jiqiang Wang (China)
Co-Chairmen: Xingjiang Liu (China),
Chengwei Xiao (China), Xiaoqing Yang(USA)
Guohua Li (Japan) , Zhengming (John) Zhang (USA)
General Secretary: Xuejie Huang(China)
荣誉主席: 汪继强 (中国)
会议主席: 刘兴江 (中国), 肖成伟 (中国), 杨晓青 (美国)
李国华 (日本), 张正铭 (美国)
秘书长: 黄学杰 (中国)

Important Note: Listed presentation time shall include 5min for discussion and chairman shall remind speakers for time control

重要说明: 演讲人的演讲时间中, 包含必须留下 5 分钟做提问讨论时间

May 22 (5月22日) Morning Session (上午会议安排)	
Opening Ceremony Dr. Chengwei Xiao, Expert Panel of National Key R&D Program of New Energy Vehicles / Conference Co-Chairman 开幕式 主持人: 肖成伟博士, 国家重点研发计划新能源汽车重点专项总体专家组/会议主席	
8:30-8:40	Opening Address (1) Dr. Xingjiang Liu, Chief Scientist of CETC, Conference Chairman 开幕式致辞 刘兴江博士, 中国电科集团首席科学家/会议主席

General Session Worldwide market & technology development of advanced batteries 先进电池的国内外市场和技术发展现状与趋势 Chairman: Jiqiang Wang, Co-Chairman: Guohua Li	
8:40-9:10	Current Status and Trends on Technology and Market of xEV Batteries In China Dr. Chengwei Xiao , Expert Panel of National Key R&D Program of New Energy Vehicles / Conference Co-Chairman 中国车用动力电池发展现状及趋势 肖成伟博士，国家重点研发计划新能源汽车重点专项总体专家组/会议主席
9:10-9:40	New progress in the research of battery technology, and prospects for sustainable development of industry Xingjiang Liu , Chief Scientist of CETC, Conference Chairman / Jiqiang Wang, Advisor of CIAPS 电池技术研究新进展与产业持续发展展望 刘兴江博士，中国电科集团首席科学家 / 汪继强研究员，中国化学与物理电源行业协会顾问
9:40-10:10	Future Trends and Key Issues in the Global Lithium-ion Batteries Market and Related Technologies Dr. Mark Hsueh-lung Lu , Certified Senior Industrial Analyst / Industrial Economics & Knowledge Center (IEK), Industrial Technology Research Institute (ITRI), Taiwan, China 全球锂离子二次电池市场及其相关技术的关键问题及未来发展 吕学隆博士，资深产业分析师，台湾工业技术研究院产业经济与趋势研究中心
10:10-10:30	Tea Break (茶歇)
Session 2: Next generation advanced battery & materials 下一代先进电池与材料研究进展 Chairman: Tetsuya Osaka, Co-Chairman: Xiaoqing Yang	
10:30-11:00	R&D for Next Generation Lithium Batteries in Japan Prof. Tetsuya Osaka , Waseda University (Japan) 日本下一代锂电池的研发进展

	<p>Tetsuya Osaka 教授, 早稻田大学, 日本</p>
11:00-11:25	<p>The P2-Na_x(Mn,Fe,Ni,Co)O₂, layered oxides for Na-ion Batteries Prof. C. Delmas, ICMCB-CNRS, Université de Bordeaux, France 钠离子二次电池用 P2-Na_x(Mn,Fe,Ni,Co)O₂ 层状氧化物 C. Delmas 教授, 波尔多大学, 法国</p>
11:25-11:50	<p>Using Synchrotron Based X-ray Scattering and Absorption Spectroscopy as well as TXM and TEM Imaging Techniques to Study New Cathode Materials for Rechargeable Batteries Dr. Xiaoqing Yang, Chemistry Department Brookhaven National Laboratory, USA 应用基于同步辐射的 X 射线散射和吸收光谱以及 TXM 和 TEM 成像技术研究新型可充电电池正极材料 杨晓青 博士, 美国能源部布鲁克海文实验室(BNL), 美国</p>
11:50-12:15	<p>New strategies for life extension and fast charging of lithium ion batteries Prof. Rachid Yazami, Nanyang Technological University, Singapore. 锂离子电池长寿命及快充新策略 Rachid Yazami 教授, 南洋理工大学, 新加坡</p>
12:15-13:30	<p>Lunch午餐 (自助餐)</p>
<p>May 22 (5月22日) Afternoon Session (下午会议安排)</p>	
<p>Session 3: Newly progress of EV & EV advanced battery technology & application 电动车与电池技术及应用新进展 Chairman: Zempach Ogumi, Co-Chairman: Huang Xuejie (黄学杰)</p>	
13:30-13:55	<p>Innovation driven lithium ion power battery and sustainable development Prof. Xuejie Huang, Institute of Physics, Chinese Academy of Sciences/ General Secretary 创新驱动锂离子动力电池可持续发展 黄学杰研究员, 中科院物理所/ 大会秘书长</p>

<p>13:55-14:20</p>	<p>Advances of innovative batteries in RISING and RISING2 projects Prof. Zempach Ogumi, Kyoto Univ. (Japan) RISING and RISING2 计划创新电池进展 Zempach Ogumi 教授, 京都大学, 日本</p>
<p>14:20-14:40</p>	<p>The Future of Electromobility and Automotive Batteries Dr. Hanho Lee, Samsung SDI, Korea 电动汽车和动力电池的未来 Hanho Lee 博士, 三星 SDI, 韩国</p>
<p>14:40-15:00</p>	<p>Next Generation Automotive Batteries - Challenges and Opportunities Liang TAO, Senior Battery Expert, BMW AG, Germany, 下一代动力电池的挑战与机遇 陶亮, 资深电池专家, BMW, 德国</p>
<p>15:00-15:20</p>	<p>Advanced Materials for High-Energy EV Batteries Dr. Chengdu Liang, Contemporary Amperex Technology Co., Limited 高能动力电池之先进材料 梁成都博士, 宁德时代新能源科技股份有限公司</p>
<p>15:20-15:40</p>	<p>Li-ion Battery for E-Bike Applications and Standard 18650/21700 cylindrical Li-ion battery developments Prof. Mo-Hua Yang, TD HiTech Energy Inc., Taiwan 电动自行车用锂离子电池及标准 18650/21700 圆柱形锂离子电池进展 Mo-Hua Yang 教授, 台湾 TD HiTech Energy 公司</p>
<p>15:40-16:00</p>	<p>Tea Break茶歇</p>
<p style="text-align: center;">Session 4: Progress of xEV advanced battery technology & application 动力电池技术及应用新进展 Chairman: Wang Chao-Yang, Co-Chairman: Xiaodan Wang (王晓丹)</p>	

<p>16:00-16:25</p>	<p>Challenges, Risks, and Opportunities for a Rapid Expansion of xEV Batteries</p> <p>Sachiya Inagaki, General Manager/MBA, Industrial Technology Unit, Yano Research Institute, Ltd. Japan</p> <p>xEV 电池快速扩张的挑战、风险与机会</p> <p>稲垣佐知也, 事業部長/MBA, 矢野经济研究所, 日本</p>
<p>16:25-16:50</p>	<p>Battery Innovations to Enable Mainstream Adoption of Electric Vehicles</p> <p>Prof. Chao-Yang Wang, The Pennsylvania State University, USA</p> <p>解决用户体验痛点的动力电池新技术</p> <p>王朝阳 教授, 宾夕法尼亚州立大学, 美国</p>
<p>16:50-17:10</p>	<p>LISHEN's Progress in developing the 21700 cylindrical cell</p> <p>Dr. Xiaodan Wang, Tianjin Lishen Battery Co. Ltd.</p> <p>力神公司 21700 电池开发进展</p> <p>王晓丹博士, 天津力神电池有限公司</p>
<p>17:10-17:30</p>	<p>Progress of Power Battery in BAK</p> <p>Dr. Zhaojun Luo, Shenzhen BAK Power Battery Co., Ltd.</p> <p>比克动力电池进展</p> <p>骆兆军博士, 深圳市比克动力电池有限公司</p>
<p>17:30-17:50</p>	<p>Development of High Energy Density/High Safety Battery Technology in Wanxiang A123</p> <p>Dr. Patrick Hurley, CTO, Wanxiang A123 Systems Aisa Co. Ltd</p> <p>万向一二三高比能高安全动力电池技术开发及应用进展</p> <p>Dr. Patrick Hurley, 万向一二三股份公司技术总监</p>
<p>17:50-18:10</p>	<p>Development and Application of High Energy Density Lithium Ion Batteries for Electric Vehicle</p> <p>Cheng Jun, eTrust Power (ETP) Group Ltd.</p> <p>电动汽车用高能量密度锂离子电池的技术研究及应用</p> <p>程君, 力信(江苏)能源科技有限责任公司</p>

May 23 (5月23日) Morning Session (上午会议安排)	
Session 5: R&D progress of advanced materials for next generation batteries 下一代锂离子电池新型材料研究进展	
Session 5-1 Advanced cathode materials for LIB 锂离子电池用新型正极材料 Chairman: Yong Yang (杨勇), Co-Chairman: Bin Li	
8:30-8:55	<p>Some understandings and strategies to stabilize the nickel-rich cathodes with high capacity</p> <p>Prof. Yong Yang, Xiamen Univ., China 高容量镍基正极材料结构相变及界面改性研究 杨勇教授, 厦门大学</p>
8:55-9:20	<p>Insight into crystal/interface structure vs. properties of Li-ion batteries</p> <p>Dr. Feng (Fred) Pan, National 1000-plan Professor, Peking University, Shenzhen Graduate School 锂电池正极材料结构与性能研究进展 潘锋博士, 千人计划教授, 北京大学深圳研究生院</p>
9:20-9:40	<p>Accelerating Development of High Nickel NMC Cathodes</p> <p>Dr. Bin Li, Wildcat Discovery Technologies, USA 加速发展高镍 NMC 正极材料的研究 李斌 博士, Wildcat Discovery Technologies 公司, 美国</p>
9:40-10:00	<p>The development and application of high energy NCM/NCA cathode materials for xEVs lithium ion batteries</p> <p>Vice General Manager Yanbin Chen, Beijing Easpring Material Technology Co., Ltd. 高能量密度动力锂电正极材料 NCM/NCA 的研究应用进展 陈彦彬副总经理, 北京当升材料科技股份有限公司</p>
10:00-10:20	<p>Lithium Manganese Iron Phosphate: The Next-Generation Olivine Cathode Material for Li-ion Batteries</p>

	<p>Hsin-ta Huang, HCM CO., LTD., Taiwan, China 磷酸铁锰锂：下一代橄榄石正极材料在锂离子电池中的应用 黄信达, 泓辰電池材料有限公司, 中国台湾</p>
10:20-10:35	Tea Break 茶歇
<p>Session 5-2 Advanced anode materials for lithium batteries 锂电池用新型负极材料 Chairman: Ji-Guang Zhang, Co-Chairman: Honghe Zheng</p>	
10:35-11:00	<p>High Efficiency Lithium Metal Batteries Enabled by Localized High Concentration Electrolytes Dr. Ji-Guang Zhang, Pacific Northwest National Laboratory, USA 通过局部高浓度电解液实现高效锂金属电池 Ji-Guang Zhang 博士, 西北太平洋国家实验室, 美国</p>
11:00-11:25	<p>Charge Control for Lithium Metal Electrode Jusuke Shimura, Ph.D., Murata Manufacturing Co., Ltd., Japan 金属锂负极的充电控制 志村重輔 博士, 株式会社村田製作所, 日本</p>
11:25-11:45	<p>New strategies for the development of Si-based anodes for next generation lithium ion batteries Prof. Honghe Zheng, DaoWin Company, School of Energy, Soochow University, Suzhou, China 下一代锂离子电池用硅负极材料发展的新战略 郑洪河教授, DaoWin 公司, 苏州大学能源学院</p>
11:45-12:05	<p>Introducing new breakthrough Nanomaterial Solutions for High Silicon Content Cells Dr. Vinay Bhat, Black Diamond Structures (BDS) , USA 用于高硅含量电池的新型突破性纳米材料解决方案 Vinay Bhat 博士, Black Diamond Structures 公司, 美国</p>

12:05-12:25	<p>Research and application of high performance anode materials</p> <p>Dr. Haihui Zhou, Vice director of research institute, Shenzhen BTR New Energy Materials INC</p> <p>高性能负极材料研发及其应用进展</p> <p>周海辉博士，研究院副院长，深圳市贝特瑞新能源材料股份有限公司</p>
12:25-13:30	<p>Lunch 午餐（自助餐）</p>
<p>May 23（5月23日）Afternoon Session (下午会议安排)</p>	
<p>Session 5-3</p> <p>R&D progress of advanced Electrolyte and Interface for next generation batteries</p> <p>下一代电池用新型电解质和界面研究进展</p> <p>Chairman: Deyang Qu, Co-Chairman: Wu Xu</p>	
13:30-13:55	<p>High Throughput Screening: Methodology and the Development of High Performance Li-ion Electrolyte</p> <p>Dr. Deyang Qu, University of Wisconsin Milwaukee, USA</p> <p>高通量筛选方法及高效锂离子电解液研究</p> <p>曲德杨 博士，威斯康辛大学，美国</p>
13:55-14:20	<p>Imide-Orthoborate Salts/Carbonate Electrolytes for Fast Charging and Stable Cycling of Rechargeable Lithium Metal Batteries</p> <p>Dr. Wu Xu, Pacific Northwest National Laboratory, USA</p> <p>酰亚胺盐-硼酸盐/碳酸酯电解液用于可充电锂金属电池的快速充电和稳定循环研究</p> <p>许武 博士,西北太平洋国家实验室，美国</p>
14:20-14:40	<p>In situ Investigation the Positive Film-forming Effect of Fluoroethylene Carbonate (FEC) with Three-electrode Pouch Cell</p> <p>Dongqing Liu, Zhangyi Li, Tsinghua University, Shenzhen, Sunwoda Electronic Co., Ltd</p> <p>三电极软包电池中 FEC 在正极成膜效果的原位研究</p> <p>刘冬青, Zhangyi Li, 清华大学，深圳欣旺达电子</p>
14:40-15:00	<p>High Voltage Electrolyte for Next Generation Lithium-ion Battery</p>

	<p>Dr. Zhengcheng(John) Zhang, Argonne National Laboratory, USA 下一代锂离子电池用高压电解液 Zhengcheng(John) Zhang 博士, 阿贡国家实验室, 美国</p>
15:00-15:20	<p>R&D of electrolyte for high energy density LIB Dr. Yule, Guangzhou Tinci Materials Technology Co., Ltd., China 高能量密度锂离子电池用电解液的研发 余乐博士, 广州天赐高新材料股份有限公司, 中国</p>
15:20-15:40	<p>In-depth Understanding of Battery Interfaces by Nanoscale Chemical Imaging Dr. Jigang Zhou, Canadian Light Source, Canada 采用纳米尺度化学成像技术对电池界面的深入研究 Jigang Zhou 博士, Light Source 公司, 加拿大</p>
15:40-16:00	<p>Tea Break 茶歇</p>
<p>Session 5-4 R&D progress of Separator, binder and additives for LIB 锂离子电池隔膜、粘结剂及添加剂材料新进展 Chairman: C. J. Weber, Co-Chairman: Matthias Loeble</p>	
16:00-16:25	<p>Freudenberg Ceramic Sheet Separators enhance productivity and battery cell safety Matthias Loeble, Freudenberg Performance Materials SE & Co. KG, Hoehnerweg, German 科德宝高性能材料陶瓷隔膜提升生产率和电池安全性 Matthias Loeble, 科德宝高性能材料, 德国</p>
16:25-16:45	<p>Extreme polymer binders - a small amount goes a long way in green electrification Yujie (UJ) LIU, Global Market Manager for Batteries for Technical Polymers by ARKEMA 特种聚合物粘结剂: 在绿色电动化方面少剂量大作用 刘瑜洁博士, 电池技术全球市场经理, 阿珂玛技术聚合物</p>

<p>16:45-17:05</p>	<p>Effect of SBR on the Manufacturing Efficiency and Low Temperature Performance of Li-Ion Battery David Zhu, Trinseo Polymers (Zhangjiagang) Company Limited SBR 对锂离子电池生产效率以及低温性能的影响 朱正军, 盛禧奥聚合物(张家港)有限公司</p>
<p>17:05-17:25</p>	<p>Analysis and development of conductive agent for high capacity lithium-ion battery anode material Ou Mao, Jiangsu Cnano Technology Co. Ltd. 用于高容量的硅基锂电池负极材料的导电剂的分析 and 开发 毛鸥, 江苏天奈科技股份有限公司</p>
<p>17:25-17:45</p>	<p>Performance conductive carbon additives for Li-ion battery advancement Dr. Hanwei Lei, cabot corp, USA 锂离子电池用高性能碳导电添加剂进展 Hanwei Lei 博士, 美国卡博特公司, 美国</p>
<p>17:45-18:05</p>	<p>Porocarb® Lion- Carbon Functional Additive for Lithium Ion Batteries Dominik Samuelis, Heraeus Battery Technology GmbH, Germany 用于锂离子电池的 Porocarb®Lion 碳功能添加剂 Dominik Samuelis, 贺利氏电池技术有限公司, 德国</p>
<p style="text-align: center;">May 24 (5月24日) Morning Session (上午会议安排)</p>	
<p style="text-align: center;">Session 6: R & D Progress of Solid-State Lithium Battery and other Advanced Batteries 固态锂电池及其它先进电池研究进展 Chairman: Zhengming(John) Zhang, Co-Chairman: Xiaoxiong Xu(许晓雄)</p>	
<p>8:30-8:55</p>	<p>The challenges that hinder the progress of various new energy storage system beyond Li-ion batteries Dr. Zhengming (John) Zhang, Sr Tech Executive officer, Asahi Kasei SBU/Polypore 后锂离子电池时代阻碍各种新型储能系统发展的挑战</p>

	张正铭博士，资深技术执行官，旭化成隔膜/CTO Celgard，旭化成隔膜
8:55-9:20	<p>Polymer-ceramic composite solid electrolytes and their applications in solid state lithium batteries</p> <p>Dr. Xiaoxiong Xu, Ganfeng Lithium Co., Ltd./Zhejiang Funlithium New Energy Tech. Co., Ltd.</p> <p>有机-无机复合固体电解质膜及其在固态锂电池中的应用研究</p> <p>许晓雄博士，赣锋锂业/浙江锋锂新能源科技有限公司</p>
9:20-9:40	<p>Flexible thin film lithium battery: pilot line production and temperature-dependent entropy change performance</p> <p>Dr. Mu Chen, Beijing Institute of Aerial Materials</p> <p>柔性薄膜锂电池中试型试制、变温熵变性能研究</p> <p>陈牧博士/高工，北京航空材料研究院</p>
9:40-10:00	<p>New Approaches toward High-Performance and Dendrite-Free Lithium-Sulfur Batteries</p> <p>Dr. Keyu Xie, Northwestern Polytechnical University</p> <p>高性能和无枝晶锂硫电池的新方法</p> <p>谢科予博士，西北工业大学</p>
10:00-10:20	<p>High-density Graphene Based Li-ion Capacitors</p> <p>Dr. Jun Zong, NKLPS, Tianjin Institute of Power Sources, China</p> <p>基于高密度化石墨烯的锂离子电容器</p> <p>宗军博士，天津电源研究所，化学与物理电源重点实验室</p>
10:20-10:35	Tea Break 茶歇
<p>Session 7: Cell optimum design & new material explore and cell recycling</p> <p>电池优化设计与新材料探索及其电池回收</p> <p>Chairman: Boryann Liaw, Co-Chairman: Wendy Zhou</p>	
10:35-11:00	<p>Understand cell variabilities on battery cell design and performance</p> <p>Dr. Boryann Liaw, Department Manager, Energy Storage and Advanced Vehicles, Clean Energy & Transportation</p>

	<p>Division, Idaho National Laboratory, USA</p> <p>电池组电池设计和性能的电池参数的理解</p> <p>廖伯彦博士, 储能和先进车辆部门经理, 清洁能源和运输部, 美国爱达荷国家实验室</p>
11:00-11:20	<p>New Li-Ion fast charging battery market 2018</p> <p>Shmuel De-Leon/CEO, Shmuel De-Leon Energy ltd</p> <p>2018 年新锂离子快速充电电池市场</p> <p>Shmuel De-Leon , Shmuel De-Leon Energy 有限公司, 以色列</p>
11:20-11:40	<p>JM eLNO: next generation high-energy low-cobalt cathode materials for greater stability and safety</p> <p>Dr Joanna Clark, Head of Product Development, Battery Materials, Johnson Matthey, British</p> <p>JM eLNO: 具有更高稳定性和安全性的下一代高能低钴正极材料</p> <p>Joanna Clark 博士, 庄信万丰集团电池材料产品研发总监, 英国</p>
11:40-12:00	<p>Umicore' s latest developments of cathode materials and battery recycling</p> <p>Dr. Wendy Zhou, Umicore Rechargeable Battery Material, US A</p> <p>优美科最新正极材料开发及电池回收</p> <p>Wendy Zhou 博士, 优美科二次电池材料公司, 美国</p>
12:00-13:30	<p>Lunch 午餐 (自助餐)</p>
<p>May 24 (5月24日) Afternoon Session (下午会议安排)</p>	
<p>Session 8: Optimum design & production and application of batteries</p> <p>电池组 (包) 优化设计、电池生产新技术与应用</p> <p>Chairman: Lei Xia, Co-Chairman: Prasanna Srinivasan</p>	
13:30-13:55	<p>Smart Factory Construction Model for Lithium Industry</p> <p>Dai Zhenquan, Blest Engineering Science & Technology</p> <p>锂电行业工厂建设模式初探</p>

	戴真全, 常州百利锂电智慧工厂有限公司
13:55-14:20	<p>Battery Management System Based on Behavioral Modeling Method</p> <p>Dr. Lei Xia, Siatron Inc., US</p> <p>基于行为建模方法的电池管理系统</p> <p>Lei Xia 博士, Siatron 公司, 美国</p>
14:20-14:40	<p>Optimizing thermal management in Electric Vehicles to improve performance</p> <p>Prasanna Srinivasan, LORD Corporation</p> <p>优化电动汽车的热管理, 提升汽车性能</p> <p>Prasanna Srinivasan, 洛德公司</p>
14:40-15:00	<p>Battery Module Encapsulation Techniques for Fire Prevention and Crash Performance</p> <p>Stephen J. Neuman, Senior Business Development Manager for Electric Vehicles, HB Fuller Company, USA</p> <p>应用于防火和防撞性能的电池模块封装技术</p> <p>Stephen J. Neuman, 高级业务经理, HB 富勒公司, 美国</p>
15:00-15:20	<p>Benefits of Lithium-Titanate Based Batteries for Heavy- Duty Vehicles</p> <p>Eileen Wu, HOPPECKE Battery Systems (Shanghai) Co., Ltd.(德国公司)</p> <p>重型车中基于钛酸锂的电池的优势</p> <p>吴永红, 荷贝克电源系统(上海)有限公司</p>
15:20-15:40	<p>Applications of multi-combination carbon additives in high voltage LIB</p> <p>Dr. Meng-Lun, Lee,CEO, LiS Energy Co., Taiwan, China</p> <p>多种碳添加剂在高电压锂离子电池中的应用。</p> <p>Dr. Meng-Lun, Lee,CEO, LiS Energy Co., 中国台湾</p>
15:40-16:25	<p style="text-align: center;">Session 9: Panel Discussion</p> <p style="text-align: center;">Future Battery Technology & Battery Industry</p> <p style="text-align: center;">未来电池技术与产业</p>

	Chairman: Liu Xingjiang, Co- Chairman: Zhengming (John) Zhang
16:25-16:30	Close ceremony 会议闭幕式 Close remark 主席致闭幕词

一、Registration fee 会议注册费

	Domestic representatives 国内代表	Foreign representatives 国外代表
Pre-registration (before April 30 , 2018) 2018 年 4 月 30 日前交费	RMB 3000	US\$ 500
After April 30 and On-site 2018 年 4 月 30 日后及现场交费	RMB 3800	US\$ 650 人

Representatives can enjoy: (1) U disk with CIBF2018 speech presentations and one conference guide; (2) one CIBF2018 catalogue; (3) can enjoy quality hotels with bargain price; (4) buffet lunches for May 22-24.

参会代表可享受：（1）《CIBF2018 演讲报告》U 盘及会议指南 1 套；（2）《CIBF2018 会刊》1 本；（3）可享受大会提供的优惠价；（4）22-24 日自助午餐。

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税号: 51100000500000488Y

地址: 天津市滨海新区华苑产业区（环外）海泰华科七路 6 号

电话: 022-23959375

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二、Registration time 报到时间

- (1) May 21: 14:00-18:00
- (2) May 22: from 8:30

Registration place: 5th floor, Shenzhen Convention Center

- (1) 2018年5月21日 14:00-18:00
- (2) 2018年5月22日 8:30 开始

报到地点：深圳会展中心五楼

三、Conference language 会议语言

The language of this conference is English and Chinese. The speech of the conference is in English. In order to communicate fluently between representatives and speakers, the conference provides simultaneous interpretation services. The representative receives the earphone with his ID card or passport. Please prepare in advance.

本次大会语言为英语和汉语。大会演讲稿为英文。为了便于国内外代表与大会演讲者交流，本次大会提供同声传译服务。参会代表凭本人身份证或护照领取耳机。请租用耳机的代表提前做好准备。

It is self-catering and no subsidy during the conference.
会议期间食宿自理，无补助。

For the participation and details, please visit the conference website: www.cibf.org.cn, and consult:

CIBF2018 Office:

Tel: 0086-22-23959269

Cheng Liwen: 15922250061; chengliwen@ciaps.org.cn; QQ: 787578195

Yang Liu: 18722014046; yangliu@ciaps.org.cn; QQ: 729296550

有关参会事宜，请咨询：

CIBF2018办公室：

联系电话：022-23959269

程立文：15922250061; chengliwen@ciaps.org.cn; QQ: 787578195

杨柳：18722014046; yangliu@ciaps.org.cn; QQ: 729296550

China Industrial Association of Power Sources

May 8th, 2018

中国化学与物理电源行业协会

2018年5月8日

