

**CIBF2016**  
**The International Conference**  
**on the Frontier of Advanced Batteries, CIBF2016**  
**and**  
**The 6th China International Energy Storage Conference**  
**CIBF2016 国际先进电池前沿技术研讨会暨第六届中国储能大会**

**Program**

会议议程

**Date:** May 24 - 26

时间: 5月24日-26日

**Place:** 5<sup>th</sup> Floor, Shenzhen Convention & Exhibition Center

地点: 深圳会展中心五楼

**Co-Chairmen (会议主席):** 刘兴江 (中国), **Xiaoqing Yang (USA)**

Guohua Li (日本)、**Zhengming (John) Zhang (张正铭, USA)**, 汪继强 (中国)

**General Secretary (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 24 (5月24日) Morning Session (上午会议安排)	
<b>8:40-8:50</b>	<b>Opening Address</b> <b>Liu Yanlong, General Secretary of CIAPS</b> 开幕式致辞刘彦龙, 中国化学与物理电源行业协会秘书长
<b>Session 1: (Plum Blossom Hall, 梅花厅)</b> <b>Worldwide market &amp; technology development of advanced batteries for xEV&amp; BESS, etc.</b> 电动车和储能用先进电池的国内外市场和技术发展趋势 <b>Chairman: Zhengming Zhang (张正铭), Co-Chairman: Guohua Li</b>	
<b>8:50-9:30</b>	<b>Forecast to the Future Worldwide Lithium-ion Batteries Market and Related Materials Development</b> <b>Mark Hsueh-lung Lu, Certified Senior Industrial Analyst / Industrial Economics &amp; Knowledge Center (IEK), Industrial</b>

	<p>Technology Research Institute (ITRI), Taiwan</p> <p>全球锂离子二次电池市场及其相关材料研发的前景展望（2016-2018年）</p> <p>吕学隆，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</p>
9:30-10:00	<p><b>Advance of EV &amp; EV Battery and Prospective of Development in “Chinese the 13th Five Year Plan” Period (Keynote Speech)</b></p> <p>Dr. Ouyang Minggao, Chief specialist, Chinese 863 EV major program of “Chinese the 12th Five Year Plan”</p> <p>中国电动车与动力电池进展及“十三五”发展预期</p> <p>欧阳明高博士，中国“十二五”计划863电动车重大专项首席专家</p>
10:00-10:30	<p><b>Technology Big Bang in Battery: From mobile to Grid ESS</b></p> <p><b>Dr. Yves Saw</b>, LG Chem Inc., Korea</p> <p>电池技术的新浪潮：从手机应用到电网储能系统应用</p> <p><b>Yves Saw</b> 博士，LG化学（韩国）</p>
10:30-10:50	<p><b>Tea Break (茶歇)</b></p>
<p><b>Session 2: (Plum Blossom Hall, 梅花厅)</b></p> <p><b>Next generation advanced battery &amp; materials</b></p> <p>下一代先进电池与材料研究进展</p> <p><b>Chairman: Liu Xingjiang, Co-Chairman: Xiaoqing Yang</b></p>	
10:50-11:30	<p><b>Next Generation Lithium Ion batteries and Beyond--- (Keynote Speech)</b></p> <p><b>Khal. Amine</b>, Argonne National Laboratory, 9700 South Cass Av., Argonne, IL (美国)</p> <p>下一代锂离子电池和超越锂离子电池的新型电池技术</p> <p><b>Khal Amin</b> 博士，美国能源部阿贡实验室资深研究员，IMLB2016 主席</p>
11:30-12:00	<p><b>Development of Lithium Battery Using Solid Electrolyte</b></p> <p><b>Dr. Liu Xingjiang</b>, NKLPS, Tianjin Institute of Power Sources/Tianjin University</p> <p>开发采用固体电解质的锂电池</p> <p>刘兴江博士，化学与物理电源重点实验室、天津电源所/天津大学</p>
12:00-13:30	<p><b>Lunch午餐 (自助餐)</b></p>

**May 24 (5月24日) Afternoon Session (下午会议安排)**

**Session 3 (Plum Blossom Hall, 梅花厅)**

**Newly progress of EV & EV advanced battery technology & application**

电动车与电池技术及应用新进展

**Chairman: Huang Xuejie (黄学杰), Co-Chairman: Zin Park**

<b>13:30-13:55</b>	<b>EV with Advanced Battery System developed &amp; commercialized by Beijing Electric Vehicle Co Ltd.</b> <b>Chen Ping</b> , Chief Engineer, Beijing Electric Vehicle Co., Ltd. 北汽新能源电动车的电池系统开发及产业化推进 陈平总工程师, 北汽新能源汽车股份有限公司
<b>13:55-14:20</b>	<b>The Power Battery Technology R&amp;D and application of the Electric Bus</b> <b>Dr. YinLichao</b> , New Energy Technology Department, YUTONG 电动客车用动力电池技术研发及应用情况 尹利超博士, 新能源技术部, 宇通客车
<b>14:20-14:45</b>	<b>Development direction of lithium-ion battery for automotive applications</b> <b>Dr. Zin Park</b> , Samsung SDI, Korea 汽车动力锂离子电池的研发方向 Zin Park 博士, 三星 SDI (韩国)
<b>14:45-15:10</b>	<b>Prospect of the near future Li-ion Battery technologies for NEVs</b> <b>Dr. Huang Xuejie</b> , Institute of Physics, Chinese Academy of Sciences 未来几年用于新能源汽车的锂离子电池发展预测 黄学杰博士, 中国科学院物理研究所
<b>15:10-15:35</b>	<b>Update the BYD EDV program</b> <b>Shen Xi</b> , Head of EDV battery div, Sr. Director, BYD. 比亚迪电动车与动力电池发展现状 沈焱总经理, 比亚迪 EVD 电池部
<b>15:35-15:55</b>	<b>Tea Break</b> 茶歇
<b>Session 4 (Plum Blossom Hall, 梅花厅)</b>	

**Progress of EV advanced battery technology & application**

电动车电池技术及应用新进展

Chairman: Wang Chao-Yang, Co-Chairman: Zhiqiang Yu

<b>15:55-16:20</b>	<b>High Energy Density Technology Development For EV Battery</b> <b>Zhang Na</b> , TianjinLishen Battery Co. Ltd. 电动车辆用高能量密度电池技术进展 张娜博士, 天津力神电池有限公司
<b>16:20-16:45</b>	<b>Lithium-ion battery structure that self-heats at low temperatures</b> <b>Dr. Chao-Yang Wang</b> , Department of Mechanical and Nuclear Engineering and Electrochemical Engine Center (ECEC), The Pennsylvania State University, USA 在低温时自加热的锂离子电池结构 王朝阳博士, 宾州大学机械与核工程及电化学工程中心 (美国)
<b>16:45-17:10</b>	<b>A novel reference cell design applicable to production Li ion batteries</b> <b>Dr. Zhiqiang Yu</b> , Lab Group Manager, Battery Research Lab, General Motors China Science Lab, GM (China) Investment Co. Ltd. 一种可应用于锂电池产品的新型参考电池设计 吁志强博士, 通用汽车中国科学研究院; 通用汽车(中国)投资有限公司
<b>17:10-17:35</b>	<b>Electrification options to meet future fuel efficiency regulations</b> <b>Alfred Shi</b> , Technical Sales Lead, China – Advanced Battery, Johnson Controls, Inc. 为达到未来燃油效率标准的电动助力选项 石洪涛, 技术销售负责人, 江森自控

**May 25 (5月25日) Morning Session (上午会议安排)**

<b>Session 5-1 (Plum Blossom Hall, 梅花厅)</b> <b>R&amp;D progress of advanced materials for next generation xEV batteries</b> 下一代动力电池新型材料研究进展	<b>Session 5-2 (Bougainvillea Hall, 簕杜鹃厅)</b> <b>Development &amp; application of advanced batteries for BESS</b> 电池储能技术与应用进展
<b>Session 5-1-1 (Plum Blossom Hall, 梅花厅)</b> <b>R&amp;D progress of advanced cathode materials for next generation xEV batteries (1)</b> 下一代动力电池用新型正极材料进展	<b>Session 5-2-1 (Bougainvillea Hall, 簕杜鹃厅)</b> <b>General &amp; Li ion batteries for BESS</b> 电池储能综述与锂离子储能专题 <b>Chairman: Lai Xiaokang</b>

Chairman: Margret Wohlfahrt-Mehrens, Co-Chairman: Jin-Ming Chen,		Co-Chairman: Michael G. Pollitt
8:30-8:55	<p><b>High-Capacity Electrode Materials for over 300 Wh/kg Li-ion Batteries</b></p> <p>Dr. Yonggao Xia, Ningbo Institute of Materials Technology &amp; Engineering, China</p> <p>超过 300Wh/kg 锂离子电池的高容量电极材料的开发</p> <p>夏永高博士/教授, 中科院宁波材料研究所</p>	<p><b>Advance of Energy Storage Technology and Key Research Direction</b></p> <p>Lai Xiaokang, Electrical Engineering Institute, China</p> <p>储能技术的进展及攻关方向</p> <p>来小康所长, 中国电力研究院北京电工研究所, 中国</p>
8:55-9:20	<p><b>High voltage cathode materials for Lithium ion batteries</b></p> <p>Dr. Margret Wohlfahrt-Mehrens, Germany (德国)</p> <p>用于锂离子电池的高电压正极材料</p> <p>Margret Wohlfahrt-Mehrens 博士, 德国太阳能和氢能研究所</p>	<p><b>Advance in the Power Battery and its Applications</b></p> <p>Mr. Takashi Ito (Manager), Hitachi Chemical Co., Ltd. Japan</p> <p>功率型电池及其应用进展 (储能应用)</p> <p>Takashi Ito, 经理, 日本日立公司, 日本</p>
9:20-9:45	<p><b>High Energy Batteries and Materials for Next Generation EV Applications</b></p> <p>Dr. Jin-Ming Chen,</p> <p>应用于下一代电动车的高能量密度电池及其材料</p> <p>陈金铭博士, 台湾工研院</p>	<p><b>SAFT latest generation of long life industrial Li-ion Batteries</b></p> <p>Dr Philippe Biensan, Li-ion Cell Development Manager – Europe Bordeaux, France (法国)</p> <p>SAFT 公司最新一代的长寿命工业用锂离子电池</p> <p>Philippe Biensan 博士</p>
9:45-10:10	<p><b>Pumping up the voltage: The way to go for long range affordable EV's</b></p> <p>Dr. Wendy Zhou, Senior Technology and Commercial Manager, Umicore Rechargeable Battery Material (加拿大)</p> <p>提高工作电压: 扩展经济适用型电动车续航里程的途径</p> <p>Wendy Zhou 博士, 优美科二次电池材料公司 (加拿大)</p>	<p><b>Are the prospects for electrical energy storage in Europe as good as they are in California?</b></p> <p>Michael G. Pollitt, Professor, Energy Policy Research Group, Judge Business School, University of Cambridge, United Kingdom (英国)</p> <p>欧洲电化学储能前景是否和美国加州一样美好?</p> <p>Michael G. Pollitt 教授, 英国剑桥大学</p>
10:10-10:30	Tea Break 茶歇	
Session 5-1-1 (Plum Blossom Hall, 梅花厅) R & D progress of advanced cathode materials for next generation xEV		Session 5-2-2 (Bougainvillea Hall, 簕杜鹃厅) Progress of Ni/MH & rechargeable Zn/air as well as flow

	<p align="center"><b>batteries (2)</b> 下一代动力电池用新型正极材料进展 <b>Chairman: Feng Pan Co-Chairman: Xiaoqing Yang</b></p>	<p align="center"><b>batteries</b> 氢镍、锌空气与液流电池新发展专题 <b>Chairman: Zempachi OGUMI</b> <b>Co-Chairman: Huamin Zhang</b></p>
<p><b>10:30-10:55</b></p>	<p><b>Structure and property of layered <math>\text{Li}(\text{Ni}_x\text{Mn}_y\text{Co}_z)\text{O}_2</math> for high performance</b> <b>Feng Pan</b>, School of Advanced Materials, Peking University, Shenzhen Graduate School 面向高性能的三元正极材料 <math>\text{Li}(\text{Ni}_x\text{Mn}_y\text{Co}_z)\text{O}_2</math> 结构和性质研究 潘锋博士/教授, 北京大学深圳研究生院, 中国</p>	<p><b>Nickel Metal Hydride Batteries for Portable, Stationary and Transportation Application</b> <b>Dr. Michael Fetcenko</b>, BASF Battery Materials-Ovonics, USA 适用于小型移动、固定以及交通运输的金属氢化物镍电池技术进展 <b>Michael Fetcenko</b>博士, 巴斯夫电池材料公司 (美国)</p>
<p><b>10:55-11:20</b></p>	<p><b>Structural characterization studies of advanced electrode and solid electrolyte materials for Li-ion and sodium batteries using synchrotron based x-ray techniques and TEM</b> <b>Xiao-QingYang</b>, Chemistry Department Brookhaven National Laboratory, USA 应用基于同步辐射的 X 光技术和透射电镜研究钠电池的电极及电解质材料结构 杨晓青博士, 美国能源部布鲁克海文实验室</p>	<p><b>Advance of Zn- air rechargeable battery</b> <b>Prof. Zempachi Ogumi</b>, Office of Society-Academia Collaboration for Innovation (SACI) Kyoto University, Japan 锌空二次电池的新发展 <b>Zempachi Ogumi</b> 教授, 京都大学, 日本</p>
<p><b>11:20-11:45</b></p>	<p><b>Early structure change diagnostic of battery materials for design optimization</b> <b>Jigang Zhou</b>, Industrial staff scientist, Canadian Light Source Inc. (CLS) Canada National synchrotron facility, Canada (加拿大) 用于电池材料设计优化的材料结构变化的早期诊断 周霁罡博士, 加拿大国家同步加速器中心</p>	<p><b>Research Development and Application Evaluation of Flow battery for BESS</b> <b>Huamin Zhang</b>, Division of energy storage, Dalian Institute of Chemical Physics, Chinese Academy of Science, China 用于储能系统的液流电池的研发与应用评估 张华民博士/研究员, 中国科学院大连化学物理研究所</p>
<p><b>11:45-12:05</b></p>	<p><b>Combined neutron and synchrotron X-ray scattering study of novel cathode materials for next generation rechargeable</b></p>	<p><b>Research Progress on Advanced ZEBRA Battery</b> <b>Zhaoyin Wen</b>, Research Fellow, Shanghai Institute of Ceramics</p>

	<b>batteries</b> <b>Jue Liu</b> , Research Assistant, Department of Chemistry, Stony Brook University and Chemistry Department, Brookhaven National Laboratory 将中子散射与同步辐射 X 光散射相结合来研究新一代二次电池的新型正极材料 <b>刘珏</b> 博士, 美国布鲁克海文国家实验室/ Stony Brook 大学 (美国)	of the Chinese Academy of Sciences 先进钠氯化镍电池的研究进展 <b>温兆银</b> 博士/研究员,中国科学院上海硅酸盐研究所
<b>12:05-13:30</b>	<b>Lunch</b> 午餐 (自助餐)	
<b>May 25 (5月25日)</b> <b>Afternoon Session (下午会议安排)----Two Parallel Sub-Sessions (两个平行分会)</b>		
<b>Session 5-1-2 (Plum Blossom Hall, 梅花厅)</b> <b>R&amp;D progress of advanced materials for next generation xEV batteries</b> <b>(1) –Separator/Electrolyte/Binder, etc.</b> <b>(1) -隔膜/电解质/粘合剂等新进展</b> <b>Chairman: Bin Li, Co-Chairman: Kohtaro Kimishima</b>		<b>Session 5-2-3 (Bougainvillea Hall, 簕杜鹃厅)</b> <b>Progress of New Na ion and Na/S batteries</b> <b>新型钠离子电池材料与电池技术/产业发展及钠硫电池储能应用新进展</b> <b>Chairman: Claude DELMAS</b> <b>Co-Chairman: Ma Zifeng</b>
<b>13:30-13:55</b>	<b>Development of Innovative Wet Separator for LIB</b> <b>Dr. Kohtaro Kimishima</b> , Product Design Director, Technology, Toray Battery Separator Film Co., Ltd., Japan (日本) 用于锂离子电池的新型湿法隔膜技术的新发展 <b>Kohtaro Kimishima</b> 博士, 日本东丽电池隔膜有限公司	<b>Pitch-derived amorphous carbon as high performance anode for sodium-ion batteries</b> <b>Yong-Sheng Hu</b> , Key Laboratory for Renewable Energy, Beijing Key Laboratory for New Energy Materials and Devices, Beijing National Laboratory for Condensed Matter Physics, Institute of Physics, China 由焦油制备的无定形炭作为钠离子电池的高性能负极材料 <b>胡勇胜</b> 博士, 中国科学院物理研究所
<b>13:55-14:20</b>	<b>Polymer innovation for xEV batteries with safer, more efficient, and more cutting-edge solution</b> <b>Rui Liu</b> , Global Technical Development Engineer, Solvay Specialty	<b>New layer oxides as positive electrode of Na-Ion batteries</b> <b>Dr Claude DELMAS</b> , Directeur de Recherche au CNRS, ICMCB-CNRS, (France)

	<p>Polymers</p> <p>xEV 电池更安全、更高效、更前沿的聚合物创新解决方案</p> <p>刘睿, 全球电池技术拓展工程师, 索尔维特种聚合物</p>	<p>用作钠离子电池正极的新型层状氧化物</p> <p>Claude DELMAS 博士, 法国波尔多大学</p>
<p>14:20- 14:45</p>	<p><b>Development of Novel Electrolytes for Silicon Anodes</b></p> <p>Bin Li, Ph.D., Senior Principal Scientist, Wildcat Discovery Technologies</p> <p>适用于硅负极的新型电解液</p> <p>李斌博士, 资深科学家, Wildcat Discovery Technologies (美国)</p>	<p><b>Sodium ion battery from lab research to industry</b></p> <p>Dr. Shulei Chou, Senior Research Fellow Institute for Superconducting and Electronic Materials, AIIM, Innovation campus University of Wollongong, Australia</p> <p>从实验室走向工业应用的钠电池技术</p> <p>Shulei Chou 博士, 卧龙岗大学大学, 澳大利亚</p>
<p>14:45- 15:10</p>	<p><b>Tailoring the Surface and Interphase of Electrodes for Long Term Operation of Rechargeable Batteries</b></p> <p>Dr. XiaolinLi, Staff Scientist, Pacific Northwest National Laboratory (PNNL), USA</p> <p>电极表面和电极-电解液界面的调控对二次电池循环寿命的影响</p> <p>李晓林博士/研究员, 美国西北太平洋国家实验室(美国)</p>	<p><b>Design and development of portable energy storage device based on sodium-ion batteries</b></p> <p>Zi-Feng Ma, Shanghai Electrochemical Energy Devices Research Center, Department of Chemical Engineering, Shanghai Jiao Tong University</p> <p>移动式钠离子电池储能系统设计与开发</p> <p>马紫峰博士、教授, 上海交通大学/中聚电池研发中心</p>
<p>15:10- 15:35</p>	<p><b>How to Develop an Ideal Anode Binder to Improve both Processability and Cell Performance?</b></p> <p>Jane, Samchem, China</p> <p>研发理想的负极粘合剂, 提升可加工性与电池性能</p> <p>姜怡竹, 深圳市泰能新材料有限公司 (SAM)</p>	<p><b>NaS Battery Application in Renewable Energy</b></p> <p>Tamakoshi Tomio, Director, Design Dept., NGK Insulators Ltd</p> <p>钠硫电池--可再生能源应用,</p> <p>玉越富夫, NGK 设计部长, 日本 NGK 公司</p>
<p>15:35- 15:55</p>	<p><b>Tea Break</b>     茶歇</p>	
<p><b>Session 5-1-2 (Plum Blossom Hall, 梅花厅)</b></p> <p><b>R&amp;D progress of advanced materials for next generation xEV batteries</b></p>		<p><b>Session 5-2-4 (Bougainvillea Hall, 簕杜鹃厅)</b></p> <p><b>Progress of Li/S,etc. batteries</b></p>



<p align="center"><b>(2) –Graphite &amp; Carbon anode or additives</b>  <b>石墨/碳负极及添加剂材料新技术与应用进展专题</b>  <b>Chairman: Ren Jianguo, Co-Chairman: Hanwei Lei</b></p>		<p>钠硫应用/锂硫等电池技术进展专题  <b>Chairman: Deyang Qu</b>  <b>Co-Chairman:</b></p>
<p><b>15:55-16:25</b></p>	<p><b>Development of high capacity anode materials in BTR</b>  <b>Dr. Ren Jianguo, BTR</b>          贝特瑞高容量负极材料的开发进展          任建国博士，深圳市贝特瑞新能源材料股份有限公司研究院院长</p>	<p><b>Rechargeable Lithium Sulfur Batteries Prospective –view from “the Mechanism of Sulfur Redox Reaction”</b>  <b>Deyang Qu</b> , Johnson Controls Endowed Professor , Department of Mechanical Engineering, University of Wisconsin Milwaukee, USA          从二次锂硫电池---硫的氧化还原机理讨论其发展前景          屈德扬博士，威斯康辛大学（美国）</p>
<p><b>16:25-16:50</b></p>	<p><b>Recent Development of CSCC in Mesophase Graphite</b>  <b>Dr. CHEN Yixun</b>, China Steel Chemical Corp.          中钢碳素在中间相石墨负极之最新进展          陈奕勋博士，台湾中钢碳素化学，新材料开发处</p>	<p><b>R&amp; D of Li-S rechargeable battery with high energy density</b>  <b>CHEN Jian</b>, Dalian Institute of Chemical Physics, Chinese Academy of Science          高比能量锂硫二次电池的研究与开发          陈剑，博士，研究员，中科院大连化学物理研究所</p>
<p><b>16:50-17:15</b></p>	<p><b>New carbon materials for advanced batteries</b>  <b>Hanwei Lei</b>, Ph.D, New Business Development Manager , Performance Chemicals, Cabot Corporation          用于先进电池的新型炭材料          雷汉伟博士，卡博特公司 (美国)</p>	<p><b>Highly Safe Polymer Electrolyte Batteries---from Gel Electrolyte to All Solid State Electrolyte</b>  <b>Guanglei Cui</b>, Director, Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences          高安全聚合物电解质电池-从凝胶到全固态          崔光磊，中国科学院青岛生物能源与过程研究所</p>
<p><b>17:15-17:40</b></p>	<p><b>New Generation of Carbon Nanotube and Graphene Materials for Li-Ion Battery Applications</b>  <b>Dr. Ou Mao</b>, Cnano (Zhenjiang) Technology Limited, Zhengjiang, Jiangsu, China          用于锂离子电池的新一代碳纳米管及石墨烯材料</p>	<p><b>High Energy Density Lithium-Ion Ultra-capacitor Research Progress</b>  <b>Cunman Zhang</b>, Professor, Tongji University          高能量密度锂离子超级电容器研究进展          张春满教授，上海同济大学</p>

	毛鸥博士，天奈技术公司，中国江苏	
17:40-18:05	<p><b>Developing New Carbon Materials for Advanced Battery Applications with an unique Electro-thermal Fluidized Bed (EFB) technology</b></p> <p><b>Dr. Joseph Li</b>, Superior Graphite, USA</p> <p>采用独特的电热流化床（EFB）技术研发的新型炭材料及其在先进电池的应用</p> <p><b>Joseph</b>, 美国超级石墨公司(美国)</p>	<p><b>Introduction &amp; Operation Analysis of Wind-PV –Energy Storage-Transmission Demonstration</b></p> <p><b>Hanmin Liu</b>, Director, State Grid Xinyuan Zhangjiakou Wind and Solar Power Energy Demonstration Station Co. Ltd</p> <p>风光储输示范工程介绍及其典型运行模式分析</p> <p>刘汉民，主任，国家电网新能源张家口风光储示范电站有限公司生技部</p>
<b>May 26 (5月26日) Morning Session (上午会议安排)</b>		
<p><b>Session 6 (Plum Blossom Hall, 梅花厅)</b></p> <p><b>Safety and reliability of xEV batteries</b></p> <p>动力电池/电池系统安全设计与可靠性专题</p> <p><b>Chairman: Huanyu Mao, Co-Chairman: Uwe WIEDEMANN</b></p>		
8:30-8:55	<p><b>Porous Electrode, Abuse Tests and Lithium Deposition</b></p> <p><b>Zhengming (John) Zhang</b>, Celgard, USA</p> <p>多孔电极、滥用测试和金属锂析出</p> <p>张正铭, 旭化成隔膜公司技术执行官 (美国)</p>	
8:55-9:20	<p><b>Fail-Safe Measures for High Energy Li - Ion Battery EV's</b></p> <p><b>Dr. Huanyu Mao</b>, Suzhou YouLion Batteries Inc., China</p> <p>EV 动力电池的“失效-安全”机制</p> <p>毛焕宇博士, 苏州宇量电池有限公司</p>	
9:20-9:45	<p><b>Safety &amp; Cost-Optimized Development of Battery Packs, Using the Example of Tesla Model S and Renault ZOE</b></p> <p><b>Dr. Uwe WIEDEMANN</b>, Senior Product Manager, Global Battery Competence Team, AVL LIST GMBH, Austria</p> <p>以安全和经济适用为目标的电池组优化研发：以特斯拉的 S 型及雷诺的 ZOE 型为例</p> <p><b>Uwe WIEDEMANN</b> 博士, AVL 公司, 奥地利</p>	

9:45-10:10	<p><b>A solution on xEV power system featuring long life &amp; high safety</b></p> <p><b>SONG Han</b>, Microvast Inc.</p> <p>基于快充长寿命与高安全的电动汽车动力系统解决方案</p> <p>宋寒, 市场副总裁, 微宏公司</p>
10:10-10:30	<p><b>Tea Break</b> 茶歇</p>
<p><b>Session 7 (Plum Blossom Hall, 梅花厅)</b></p> <p><b>R &amp; D progress of solid electrolyte &amp; all solid batteries</b></p> <p>固体电解质与全固态电池研究进展</p> <p><b>Chairman: Chengdu Liang, Co-Chairman: Guohua Li</b></p>	
10:30-10:55	<p><b>Challenges and Progresses of Solid-State Li Metal Batteries</b></p> <p><b>Chengdu Liang</b>, Ningde Contemporary Ampere Technology Limited, Fujian, China</p> <p>全固态锂电池的挑战与发展</p> <p>梁成都博士, ATL, 中国</p>
10:55-11:20	<p><b>All-solid-state thin-film battery using amorphous <math>\text{Li}_x\text{M}_y\text{PO}_z</math> cathode material</b></p> <p><b>Dr. Guohua Li</b>, Sony Corporation, Japan</p> <p>采用无定型 <math>\text{Li}_x\text{M}_y\text{PO}_z</math> 正极材料的全固态薄膜电池</p> <p>李国华博士, 日本索尼公司</p>
11:20-11:45	<p><b>Recent progresses on solid polymer electrolytes based on lithium perfluorinated sulfonimide</b></p> <p>Dr. Zhibin Zhou, Key laboratory of Material Chemistry for Energy Conversion and Storage (Ministry of Education), School of Chemistry and Chemical Engineering, Huazhong University of Science and Technology, China</p> <p>新型氟磺酰亚胺锂盐固态聚合物电解质的研究进展</p> <p>周志彬博士, 教育部能量储存与转换重点实验室, 化学与化工学院, 华中理工大学</p>
11:45-12:10	<p><b>Novel safe electrolytes for Li-ion batteries</b></p> <p><b>Chunsheng Wang</b>, Associate Professor, Department of Chemical &amp; Bio molecular Engineering, University of Maryland, USA</p> <p>用于锂离子电池的新型安全电解质</p> <p>王春生博士, 美国马里兰大学 (美国)</p>

12:10-13:30	Lunch 午餐（自助餐）
<p style="text-align: center;"><b>Session 8 (Plum Blossom Hall, 梅花厅)</b></p> <p style="text-align: center;"><b>Industry Highlight 1: Production &amp; application of grapheme in practical batteries</b></p> <p style="text-align: center;">产业热点技术 1: 石墨烯的生产及其在电池产品中的应用</p> <p style="text-align: center;"><b>Chairman: Li-Hsiang Perng, Co-Chairman: Gui-Ping Dai</b></p>	
13:30-13:55	<p><b>Update of Graphene application in motive power battery</b></p> <p>Prof. <b>Gui-Ping Dai</b>, Chief Scientist, Chaowei Group</p> <p>石墨烯在车用动力电池中应用的现状</p> <p><b>Gui-Ping Dai</b> 教授, 超威集团首席科学家</p>
13:55-14:20	<p><b>The synergism of charge-transfer mechanisms by hybrid Polyaniline /Graphenenano composites-battery materials</b></p> <p>Dr. <b>Li-Hsiang Perng</b>, SILVER H-PLUS TECHNOLOGY CO., LTD</p> <p>混合聚苯胺/石墨烯纳米复合物电池材料的协同电荷迁移机理</p> <p>彭立祥博士, 银旺科技股份有限公司</p>
14:20-14:45	<p><b>Development of SuperC Graphene Products and Applications in Li battery &amp; Supercapactor</b></p> <p><b>SuperC Technology Ltd.</b></p> <p>Dr. <b>Qi Li</b>, Super C Company, Ltd.</p> <p>鸿纳科技石墨烯产品的开发及其在锂电池和超级电容器上的应用</p> <p>李琦博士, 鸿纳（东莞）新材料科技有限公司</p>
<p style="text-align: center;"><b>Session 9 (Plum Blossom Hall, 梅花厅)</b></p> <p style="text-align: center;"><b>Industry Highlight 2: New materials/Process &amp; Production Innovation</b></p> <p style="text-align: center;">产业热点技术 2: 新材料/新工艺、新生产技术</p> <p style="text-align: center;"><b>Chairman: Xia Yongyao, Co-Chairman: MengJiang</b></p>	
14:45-15:10	<p><b>Stabilization of the layered transition-metal oxides LiMO<sub>2</sub> by introducing Li<sub>2</sub>MnO<sub>3</sub></b></p> <p><b>Yongyao Xia</b>, Department of Chemistry Institute of New Energy, iChEM, Fudan University, China</p> <p>通过导入 Li<sub>2</sub>MnO<sub>3</sub> 来稳定富锂锰层状正极材料的结构</p>

	夏永姚博士，上海复旦大学，中国
15:10-15:35	<p><b>Development of High Area Loading and Stable Sulfur Electrode Through Interface Functionality Design for Lithium Sulfur Battery</b></p> <p><b>Gao Liu</b>, Energy Storage and Distributed Resource Division, Energy Technologies Area, Lawrence Berkeley National Laboratory, Berkeley, USA</p> <p>通过功能性界面设计而研发出的用于锂硫电池的大面积稳定硫电极</p> <p><b>Gao Liu</b>, 劳伦斯伯克利国家实验室（美国）</p>
15:35-15:55	<p><b>Optimizing materials of sealing adhesive&amp; binder for EV battery module &amp; pack</b></p> <p><b>Yong Zhang, Technical Manager, Hankel</b></p> <p>适用于动力电池系统组装材料的优选方案</p> <p>张勇，高级技术经理，汉高公司</p>
15:55-16:15	<p><b>Improvements of EV battery performance –process innovations and industrialization</b></p> <p><b>Dr. Meng Jiang</b>, CNI OM Office</p> <p>动力锂电池的性能提升—新工艺及其工业化</p> <p>蒋濛博士，中南创发锂电事业部经理</p>
16:15-16:35	<p><b>Polymer battery drop test solution ---HMA tape</b></p> <p><b>Wang Yijin</b>, Senior VP/R&amp;D Leader, Dongguan Aozon Electronic Material Co., Ltd.</p> <p>聚合物电池抗跌落性能解决方案—HMA 粘接</p> <p>王宜金，东莞市澳中电子材料有限公司（德国）</p>
16:35-16:55	<p><b>Vacuum Expertise for LIB Manufacturing</b></p> <p><b>Klaus Buhlmann</b>, Oerlikon Leybold Vacuum</p> <p>锂离子电池制造中的真空应用探索</p> <p><b>Klaus Buhlmann</b>, 欧瑞康莱宝真空（天津）国际贸易有限公司（德国）</p>
16:55-17:15	<p><b>Online process monitoring Technique for ultrasonic metal welding in Lithium Battery industry</b></p> <p><b>Dr. Xinhua Shi</b>, SBT Engineering Systems Co. Ltd.</p>

	<p>超声金属焊接过程在线监控技术在锂电池行业中的应用</p> <p>石新华博士，上海骄成机电设备有限公司</p>
17:15-17:30	<p><b>Close ceremony</b> 会议闭幕式</p> <p><b>1. Announcement of “Young Excellent Poster Paper Award” List</b> 评选委员会宣读“青年优秀墙报论文奖”获奖名单</p> <p><b>2. Present of Certification &amp; Prize</b> 向获奖人员颁发奖励证书与奖金</p> <p><b>3. Close remark</b> 主席致闭幕词</p>

\* Poster sessions: 墙报展示与时间

1) 12:30-13:30 and 17:30-18:50, each day among May 24, 25 and 26

自 24-26 日，每天午餐以及 17:30-18:50 期间；

2) Every poster shall leave a contact telephone number and the name of the responsible author for a potential viewer/person discussion at mutually convenient time during May 24-26

每位墙报作者在墙报结尾处留下联系电话或微信等，以便阅读者约定讨论时间；

3) “青年优秀墙报论文”评选适用于所有年纪 35 岁及其以下的墙报第一作者；所有提供墙报论文的学生（第一作者）都自动进入该范畴内。

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中国化学与物理电源行业协会

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