**Welcome to the Biannual China International Battery Fair**

**CIBF2018**

**The 13th China International Battery Fair**

**May 22-24，Shenzhen Convention Center**

（Address：The third Fuhua Avenue, Futian Center, Shenzhen, China）

**Organizer：China Industrial Association of Power Sources（CIAPS）**

**The First Announcement**

“The China International Battery Fair (CIBF)” is hosted by the China Industrial Association of Power Sources (CIAPS) biannually. It is the largest international battery exhibition held in the world. CIBF is the first registered trademark for the international battery fair in China.

The CIAPS will hold CIBF2018 in Shenzhen from May 22 to 24, 2018, on an unprecedented scale.

**Call for Papers**

**China International Conference on the Frontier Technology**

**of Advanced Batteries, CIBF2018**

The technical conference of CIBF 2018 will be again named as “China International Conference on the Frontier Technology of Advanced Batteries, CIBF2018” and will mainly focus on the latest progress on R& D and applications of advanced batteries for electric vehicle and energy storage, in particularly latest progress on advanced materials and/or new chemical systems for next generation xEV battery & energy storage. Among those, main contents cover incentive policies & new development plans from different countries to promote and support R & D and applications of advanced batteries for EV & BESS; the current and future markets of advanced batteries for the EV & BESS; latest R&D progress of advanced batteries and key materials; advancement of battery manufacturing and evaluation as well as battery safety and battery management system, etc.

EV/PHEV powered by lithium ion batteries has shown a leap forward development in China, since CIBF2016. It was reported that there were 500 thousand sets of new energy vehicles (based on EV and PHEV), and 30 GWh lithium-ion batteries produced & sold in 2016. Although the subsidies by Chinese government for new energy vehicles in 2017 were steadily decreased, but according to the data announced by China Association of Automobile Manufacturers that total production and sales of pure EV reached 424 thousand sets and 398 thousand sets from Jan. to Sep., respectively. It is 40.2% and 37.7% increase than that at the same period, last year, respectively. Among those, production and sales of EV were 348 thousand sets and 325 thousand sets, respectively and it was 51.6% and 50.1% increase than those at the same period last year, respectively; Production and sales of PHEV were 76 thousand sets and 73 thousand sets respectively, and it was 4% and 0.5% increase than those, at the same period, last year, respectively. Based on above data, it is predicted that total EV/PHEV will reach 650 thousand sets to 700 thousand sets in 2017, and about 30-40% increase than that in 2016. Besides, the statistics made by China Industrial Association of Power Sources showed that total amount of Li ion batteries equipped with EV/PHEV reached 15.17GWh during first 9 months and it showed 24% increase than that at the same period, last year. Especially with the demand of higher energy density and the progress of the battery technology, Li ion batteries with NMC or NCA base positive materials have more & more applied in passenger E-cars which have occupied leading position of passenger E-car market, steadily. In the first 9 months, Li ion batteries with NCM or NCA equipped with EV/PHEV have reached 7.74GWh, exceeding 6.3GWh of lithium ion batteries with LFP in fact. Besides, the ratio of passenger pure E-cars with Li ion batteries adopting NMC or NCA is even up to 73%, much higher than that of adopting LFP. Energy density of Li ion battery (in cell level) shall reach 300Wh/kg in 2020 and 400Wh/kg in 2025 respectively, as well as the cost of whole system shall be reduced to 1 Yuan/Wh, according to Chinese Technology Roadmaps in some key technology areas proposed in **“Made in China 2025”**. In order to achieve the above goals, not only need to modify the present technology of the Lithium ion battery with more safety & higher energy density, but also need to speed up the innovative research on key battery materials and new battery chemical system (including solid-state batteries, etc.). Besides, more & more attention is to be given to the technology and market development of fuel cell vehicles, at both domestic & abroad. In particularly, in order to speed up some key technology breakthrough in fuel cell systems, China government has made a special policy to give more subsidies for fuel cell vehicles entering market.

Based on above main content arrangement, the Conference will set 8 sessions, which include:

**Session 1**、Comprehensive session: Government supported policies and R & D plans as well as market/application evaluation of xEV (including Fuel cell vehicles) & BESS batteries;

**Session 2**、xEV advanced battery session: Latest progress on R & D and practical running of various advanced batteries for start/stop system, HEV, PHEV and EV as well as fuel cell vehicles, etc.；

**Session 3**、BESS advanced battery session: Latest progress on R & D and practical running of various advanced batteries for micro & smart grids, etc.；

**Session 4**、New generation battery material session: Latest progress on R & D and practical application of various anode、cathode、electrolyte and separator materials, etc.；

**Session 5**、New type battery chemistry session: Latest progress on R & D and application evaluation of new generation Li ion chemistry, Sodium ion chemistry, Pure Li & other light metal chemistry, including all solid system, as well as fuel cell systems, etc.；

**Session 6**、Battery module& pack and life & reliability evaluation session: Safety issues for Lithium ion batteries in EV and energy storage applications ，R & D on cell, module, system design; Evaluation via simulation and road test; New standards and regulations for cells、modules and system evaluation, etc.;

**Session 7**、Safety improvement & evaluation session：cells with higher Ni content NCM/NCA；

**Session 8**、Re-utilization & recycling of power batteries session.

* Note: There will be a possibility for setting a special session on fuel cell and systems for Fuel cell EV, based on updated situation.

As you may know that the CIBF technical conference arranged originally in June which shows time conflict with IMLB in the June, also. Therefore, the opening time of CIBF2016 changes to May and makes those participants both attend CIBF & IMLB with more convenience.

Furthermore, the CIBF2018 technical conference will set poster sessions for providing those active members with displaying their creative R & D achievements of advanced batteries and relative materials, etc. In particularly, a “Graduate Student poster session” will be also set for encouraging their “Creative & Pioneering work”, etc. Hence, there will be more and more research people will show up for exchange & discussion in the Conference that shall promote creative & pioneering in the advanced battery field.

It is estimated that more than 1000 people from 50 countries and regions will attend the Conference to share the latest development on batteries, battery materials and integrated power systems for electric vehicles, micro-grids and smart-grids.

We warmly welcome and encourage the experts, scholars, active researchers as well as the graduate students in this field domestic& abroad to prepare the paper abstracts based on your latest research achievements and submit them as soon as possible for the pre-screening and categorizing.

The requirement for paper pre-screening: Topic and “**one page**” abstract; Please find attachment 1 for the formatting details.

Official language for the paper: **English** (Chinese is acceptable for any attendee with difficulties in English)

Method to submit the topic and abstract: E-mail to: cibf2018@ciaps.org.cn

Deadline of paper title & abstract submission: No later than March 1, 2018

\*For those who apply for oral presentation, please send your title and short abstract no later than Jan. 31, 2018.Please directly submit it to Co-Chairmen：**Liu Xingjiang** and **Xiao Chengwei** with email address: cibf2018@ciaps.org.cn