

Theme: New vision of battery and its large-scale application

**International Battery Association (IBA) -2021 Annual Meeting  
(First-round Notice)**

The International Battery Materials Association is a top-tier academic organization with a focus on the field of battery materials worldwide. On behalf of the organizing Committee, we are delighted to invite you to join the International Battery Association (IBA-2021) Conference, which will be held in Xiamen, China from **October 24 to 29, 2021**. The conference venue is arranged at **Xiamen Millennium Harbourview Hotel**, which can accommodate 300 guests.

This conference will bring together experts in the fields of electrochemistry, materials chemistry and energy chemistry, mathematical science and other fields related to batteries. With a particular focus on the core technologies and key scientific issues, innovative experiments/theoretical methods of batteries for secondary batteries, fuel cells, new special electrochemical energy systems, etc., in-depth discussion will be conducted on the electrode material, solid-state battery, battery interface, high energy battery, next generation battery, vehicle battery safety. The development status and trend of battery will be summarized and prospected. Scientists and researchers of battery community all over the world are welcome to share the latest research findings.

Topics are related to the following battery science and technology, but not limited to:

1. Lithium-ion batteries: cathode, anode, electrolyte, interface and characterization techniques
2. Secondary lithium metal batteries: New concepts, materials, interfaces, and characterization techniques
3. Solid-state lithium batteries: novel solid-state electrolyte, solid/solid interface and characterization technology
4. Other energy storage systems, such as Na/Mg/K batteries and materials
5. Modeling and simulation of battery materials, electrodes and battery systems
6. Progress on actual battery applications in electric vehicles and 5G/ home/grid
7. Advanced battery manufacturing and recycling technology
8. Market opportunities in the construction of advanced battery industry

## **Organizers**

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**Organization:** International Battery Materials Association

**Host:** Xiamen University, Battery Technology Association of Fujian Province,  
State Key Laboratory for Physical Chemistry of Solid Surfaces

**Co-organizer:** Chinese Society of Electrochemistry,  
China Industrial Association of Power Sources (CIAPS)

**Sponsors:** Contemporary Amperex Technology Co., Ltd. (CATL),  
Amperex Technology Co., Ltd. (ATL),  
Xtc New Energy Materials (Xiamen) Co., Ltd.,  
Shenzhen Neware Technology Co., Ltd.  
Zhangjiagang Guotai Huarong New Chemical Materials Co., Ltd.

**Advisory Committee:** Tian Zhaowu, Yang Yusheng, Chen Liquan, Lin Zugeng,  
Wang Jiqiang, Tian Zhongqun, Wu Feng, Sun Shigang

**International Academic Committee:**Chair: [Martin Winter](#)**Councils:**

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Secretary-in-General: [Jun Gao](#), [Zhengliang Gong](#), [Jianming Zheng](#)**Program**

10.24	Full day	Registration
10.25	8:30-9:15	Opening ceremony & Group photo
	9:15-12:00; 13:30-17:30	Presentation
10.26~28	8:30-12:00; 13:30-17:30	Presentation & Poster
10.25~27	19:00-20:30	Discussion
10.28	18:30-20:30	Dinner
10.29	8:30-12:00	Presentation
	13:30-17:30	Awarding & Closing ceremony

**Invited Speakers****Confirmed invited speakers**

Prof. Peter Bruce      University of Oxford

[Title: Solid State Batteries: A Challenge of Interfaces](#)

Prof. Yang-Kook Sun      Hanyang University

[Title: Microstructure Engineered Ni-Rich Layered Cathode for Electric Vehicle Batteries](#)

Prof. Shirley Meng      University of California

[Title: Li Metal Anode-fast Charging, Low T Operation and Corrosion Study](#)

Prof. Akitoshi Hayashi    Osaka Prefecture University  
[Title: Development of Solid Electrolytes Suitable for Interface Formation in All-solid-state Batteries](#)

Prof. Jun Chen            Nankai university  
[Title: Organic Carbonyl Electrode Materials for Li-ion Batteries](#)

Prof. Takeshi Abe        Kyoto University  
[Title: Graphite Positive Electrode-halogen-containing Acceptor-type Graphite Intercalation Compounds](#)

Dr. Khalil Amine        Argonne National Lab  
[Title: Advanced High Energy and Stable Cathode Materials](#)

Prof. Doron Aubach      Bar-Ilan University  
[Title: Will Come Soon](#)

Dr. Corsin Battaglia     Swiss Federal Laboratories for Materials Science and Technology  
[Title: Interface Stability in All-solid-state Batteries](#)

Prof. Jang Wook Choi    Seoul National University  
[Title: Advanced Binder Designs for Sulfide-based All Solid State Batteries](#)

Prof. Kristina Edstrom   Uppsalla University  
[Title: The Approach of The Angstrom Advanced Battery Center to Improve Sustainability for The Batteries of The Future](#)

Prof. Juergen Janek      Justus Liebig University Giessen  
[Title: Chemo-Mechanics of Cathode Composites in Solid-state batteries](#)

Prof. Byoungwoo Kang   Pohang University of Science and Technology  
[Title: High Electrochemical Activity Enabled by a Cation Distribution in Co-free Li-rich Materials](#)

Prof. Kisuk Kang        Seoul National University  
[Title: The Streamlined Structure for The Reversible Anionic Redox Reaction in Layered Transition Metal Oxide](#)

Prof. Jongsoon Kim      Sungkyunkwan University  
[Title: A Novel Fluoride-based Cathode for High-performance Na-ion Batteries](#)

Prof. Sang-Young Lee    Yonsei University  
[Title: Polymeric Single-ion Conductors Based on Controlled Anion Exchange for Practical Li-Metal Batteries](#)

Dr. Hong Li            Institute of Physics, CAS  
[Title: High Capacity Anode Materials for Li Ion Batteries](#)

Prof. Jie Li            Polytechnic University of Milan  
[Title: Design of Electrode-electrolyte Interphases for High Voltage Aqueous Lithium-ion Batteries](#)

Prof. Ju Li            Massachusetts Institute of Technology  
[Title: Creep-enabled 3D Solid-state Lithium-metal Battery](#)

Prof. Ping Liu     University of California

Title: [Development of Long Life Li-S Batteries Based on Polymeric Cathodes](#)

Prof. Laure Montconduit     University of Montpellier

Title: [K-ion Batteries](#)

Prof. Linda Nazar     University of Waterloo

Title: [Creating and Understanding Stable Cathode-Electrolyte Interfaces for Solid State Batteries](#)

Dr. Rosa Palacin     Institute of Materials Science of Barcelona

Title: [Calcium Based Batteries: Lessons Learnt & Challenges Ahead](#)

Prof. Stefano Passerini     Helmholtz Institute Ulm & Karlsruhe Institute of Technology

Title: [Seasonal/annual Energy Storage: Is There a Role for Batteries](#)

Dr. Yoshitaka Tateyama     National Institute for Materials Science

Report Title: [Ion and Electron Transfer at Interfaces in Solid-state Batteries Via First-principles Calculations](#)

Prof. Marnix Wagemaker     Technical University of Delft

Title: [Quantifying the Li-Ion Diffusion over A LiI Coating on A Li<sub>2</sub>S Cathode, Revealing The Impact on The Macroscopic Li-ion Transport in A Solid State Battery](#)

Prof. Chunsheng Wang     University of Maryland

Title: [Electrolyte Design for High Capacity Electrodes](#)

Prof. Yongyao Xia     Fudan University

Title: [All Climate Lithium Battery Materials and Technology](#)

Prof. Dr. Jie Xiao     Pacific Northwest National Laboratory

Title: [Electrochemical Energy Storage: From Materials Science to Prototype Batteries and Manufacturing](#)

Prof. Naoaki Yabuuchi     Yokohama National University

Title: [Material Design of Li-excess Rocksalt Oxides for Li Storage Applications](#)

Prof. Yuki Yamada     Osaka University

Report Title: [Electrolyte Design Strategies to High-energy-density and Safe Batteries](#)

Prof. Chongyin Yang     Dalhousie University

Title: [High Nickel Positive Electrode Materials Modified by Dry Particle Fusion](#)

Prof. Jihui Yang; University of Washington

Title: [Liquid Phase Sintering Enabled High Energy Solid Battery](#)

Prof. Wolfgang Zeier     University of Muenster

Title: [Linking Electrolyte Degradation and Ionic Transport Limitations to The Performance of Li-S Solid State Batteries](#)

**Stay for more updates**

## Way to attend:

Due to the limited number of participants for this meeting, all participants must submit a brief abstract for the early registration. After review and approval, qualified participants can proceed to the formal registration and full-length abstract shall be submitted. Participants shall prepare your own posters for exhibition, according to the standard size of A0 (841 × 1189 mm / 33.1 × 46.8 inches).

Please refer to the official website (<http://www.iba2021.net/>) to register.

## Conference fees

### (1) Payment in USD

Way of participation	Participant Type	Payment prior to Sep. 20 <sup>th</sup>	Payment after Sep. 20 <sup>th</sup>
Join the Conference Offline	Standard participant (USD/person)	\$520.00	\$610.00
	Student (USD/person)	\$300.00	\$360.00
	Attendant (USD/person)	\$250.00	\$250.00
Join the Conference Online (available only to international participants)	Standard participant (USD/person)	\$50.00	\$60.00

### (2) Payment in RMB

Way of participation	Participant type	Payment prior to Sep. 20 <sup>th</sup>	Payment after Sep. 20 <sup>th</sup>
Join the Conference Offline	Standard participant (RMB/person)	¥3300.00	¥3900.00
	Student (RMB/person)	¥1900.00	¥2300.00
	Attendant (RMB/person)	¥1600.00	¥1600.00

Payment bank account detail:

Bank of deposit: Bank of China, Xiamen Jianfa Building Sub-branch

Account name: Xiamen C&D International Travel Service Group Co., LTD

Account number: 4091 5836 8767

(For bank transfer and remittance, please indicate IBA conference registration fee and the name of the participant)

## Exhibition & Sponsorship

We warmly welcome all companies to sponsor this meeting. The form of sponsorship consists of exclusive dinner, exclusive information bags, exclusive coffee breaks, gift sponsorship, etc., as well as product booths. Please contact the conference organizing committee if any question.

## Contact Us

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General coordinator: [Jun Gao, tel: +86-13950094580; Email: gaojun@xmu.edu.cn](mailto:gaojun@xmu.edu.cn)

### **Key dates & Deadlines**

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August 20, 2021	Short abstract submission due.
August 30, 2021	Meeting registration and hotel reservation open and the long abstract is required to submit.
September 20, 2021	The deadline of the meeting registration and long abstract submission.
September 30, 2021	The deadline of hotel reservation.
October 24, 2021	Conference opening.
October 29, 2021	Closing Ceremony.

### **Important Notice**

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In response to the global spread of the COVID-19, Xiamen strictly follows the relevant policies by implementing the following measures relating to all inbound travelers:

All people with a travel history abroad including Taiwan, Hong Kong regions of China will be isolated for medical observation at designated hotels for 14 days plus a 7-day home medical observation upon arrival. Accommodation and food expenses incurred during medical observation at designated hotels shall be covered by travelers themselves. Please plan your trip accordingly. Thank you for your understanding and cooperation!

Visit the IBA-2021 website for meeting details.

<http://www.iba2021.net/>