

2nd Korea–China Battery Symposium

Next-Generation Battery Materials & Technologies, and the Role of AI

A two-day gathering of researchers from Korea and China advancing the chemistry behind tomorrow's energy storage.

ORGANIZERS

Byoungwoo Kang (POSTECH, Korea) · Shouhang Bo (SJTU, China)

DATES

August 24–25, 2026

2 days, 1 night

VENUE

**Change-up Ground
Event Hall, POSTECH**

Pohang, Republic of Korea

THEME

**Next-Gen Battery
Materials & AI**

Solid-State · Cathodes · AI+X

01 About the Symposium

Building on the success of the inaugural meeting, the 2nd Korea–China Battery Symposium brings together leading academic groups from both countries to exchange recent progress on next-generation battery materials and to explore how artificial intelligence is reshaping materials discovery and battery development. The program is designed to encourage close, working-level discussion between Korean and Chinese research groups, with ample time for one-on-one exchange beyond the formal sessions.

02 Core Topics

TOPIC 1 — SOLID-STATE SYSTEMS

Solid-State Battery Systems

Solid electrolytes, interfacial chemistry, cell integration, and processing challenges on the path toward practical all-solid-state batteries.

TOPIC 2 — CATHODE MATERIALS

Next-Generation Cathodes for Li and Na

Advances in lithium- and sodium-ion cathodes, including Li-rich layered oxides, compositional design, structural stability, and next-generation electrode chemistries.

TOPIC 3 — AI & DATA

AI + X

Machine learning and data-driven approaches applied across battery materials research — from interatomic potentials and generative materials design to autonomous, closed-loop experimentation.

“The next leap in battery performance will come not from one breakthrough material, but from how fast we can search, synthesize, and learn — together.”

03 Participants

SYMPOSIUM ORGANIZERS

Prof. Byoungwoo Kang — POSTECH, Republic of Korea
Prof. Shouhang Bo — Shanghai Jiao Tong University, China

LOCAL ORGANIZING COMMITTEE

Prof. Byoungwoo Kang · POSTECH · bwkang@postech.ac.kr
Prof. Kyu-Young Park · POSTECH · kypark0922@postech.ac.kr
Prof. Minkyu Kim · Inha University · minkyu.kim@inha.ac.kr

INVITED PARTICIPANTS

Korea

- Sangmin Lee, POSTECH
- Heetaek Park, Korea Electrotechnology Research Institute
- Jihyun Hong, POSTECH
- Jangyeon Hwang, Hanyang University
- Janghyuk Moon, Chung-Ang University
- Kyujung Jun, Korea University

China

- Hong Li, Institute of Physics, Chinese Academy of Sciences
- Shouhang Bo, Shanghai Jiao Tong University
- Linsen Li, Shanghai Jiao Tong University
- Yufeng Zhao, Shanghai University
- Jiayu Wan, Shanghai Jiao Tong University
- Yue Gao, Fudan University
- Kai Liu, CATL

04 Program Schedule

DAY 1 – AUGUST 24 (MON)

09:30–10:00	Registration & Welcome Coffee Badge pickup
10:00–10:15	Opening Remarks Co-Chairs — Byoungwoo Kang (POSTECH) & Shouhang Bo (SJTU)
10:15–12:15	Session I — Solid-State Battery Systems Chair — Prof. Byoungwoo Kang (POSTECH) 10:15 Hong Li — IOP, CAS — Title: TBA 10:45 Sangmin Lee — POSTECH — Title: TBA 11:15 Shouhang Bo — SJTU — Title: TBA 11:45 Heetaek Park — KERI — Title: TBA
12:15–14:00	Lunch POSTECH campus

14:00-16:00 Session II — Next-Generation Cathode Materials

Chair — Prof. Minkyu Kim (Inha University)
 14:00 Jihyun Hong — POSTECH — Title: TBA
 14:30 Linsen Li — SJTU — Title: TBA
 15:00 Jangyeon Hwang — Hanyang University — Title: TBA
 15:30 Yufeng Zhao — Shanghai University — Title: TBA

16:00-17:00 Coffee Break & Poster Setup**17:00-18:00 Poster Session & Evaluation**

Graduate students & postdocs

18:30- Symposium Dinner

Pohang

DAY 2 – AUGUST 25 (TUE)**08:30-09:00 Morning Coffee****09:00-11:00 Session III — AI + X for Battery Research**

Chair — Prof. Kyu-Young Park (POSTECH)
 09:00 Janghyuk Moon — Chung-Ang University — Title: TBA
 09:30 Jiayu Wan — SJTU — Title: TBA
 10:00 Kyujung Jun — Korea University — Title: TBA
 10:30 Yue Gao — Fudan University — Title: TBA

11:00-12:00 Panel Discussion — Future Directions for Korea–China Battery Collaboration

Moderators — Byoungwoo Kang (POSTECH) & Shouhang Bo (SJTU)

12:00-12:15 Poster Awards & Closing Remarks**05 Venue & Practical Information****VENUE**

Change-up Ground Event Hall, POSTECH
 (Pohang University of Science and Technology),
 77 Cheongam-ro, Nam-gu, Pohang,
 Gyeongsangbuk-do, Republic of Korea

ACCOMMODATION

Hotel rooms are reserved near the POSTECH campus for invited speakers. Accommodation details will be provided individually based on each participant's travel schedule.

GETTING THERE

- KTX to Pohang Station, then taxi/shuttle to campus (~20 min)
- Domestic flight to Pohang Airport, then taxi (~30 min)

FORMAT

- Invited talks (25 min + 5 min Q&A)
- Poster session for students & postdocs
- Panel discussion and poster awards (Day 2)

06 Organizing Committee & Contact**HOSTED & ORGANIZED BY**

POSTECH, Department of Materials Science and Engineering, in collaboration with Shanghai Jiao Tong University

CONTACT

PROGRAM & ACADEMIC INQUIRIES
 Prof. Minkyu Kim, Organizing Committee
minkyu.kim@inha.ac.kr

PRACTICAL ARRANGEMENTS

Transportation & Accommodation
 Mikyung Han, POSTECH
mkhan@postech.ac.kr

Confirm your participation — Reply to the invitation email or contact the organizing committee directly.