



東北大学

International Symposium: Advanced Materials and Characterizations for Energy Storage Devices

2025. 12. 08

13:15-17:30 Mon.

**TOKYO ELECTRON House of Creativity (B02), 3rd floor, Katahira
(知の館 (B02), 3階講義室, 片平)**

Program

13:15 – 13:20 Opening greeting

Director Prof. Toshiyuki HAYASE (FRIS, Tohoku U.)

13:20 – 13:30 Introductory talk

Prof. Hiroto NISHIHARA (AIMR, Tohoku U.)

Invited talks (including Q&A):

13:30 – 14:00 Dr. Heather AU (Imperial College London)

Sustainable Structural Materials for Energy Storage

14:00 – 14:30 Dr. Yoshikiyo HATAKEYAMA (Gunma University)

Operando Structural Analysis of Electrodes and Catalysts: SAXS/XAFS/Electrochemical Dilatometry

14:30 – 15:00 Dr. Lei QIN (Shenzhen University)

Is Superoxide Battery Really Super Reactive?

15:00 – 15:30 Coffee break

15:30 – 16:00 Dr. Yoshimitsu ITOH (University of Tokyo)

Engineering Interfacial Molecular Interactions for Novel Functional Materials

16:00 – 16:30 Ms. Samantha SOUTHERN (Imperial College London)

Sustainable Lignin-derived Carbon Fibre Current Collectors for Zero-excess Lithium Metal Batteries

16:30 – 17:00 Dr. Hwai En LIN (Taipei Tech)

Application of Sustainable Plant-Based Pectin as a Binder in Lithium-Ion Batteries

17:00 – 17:30 Dr. Takeharu YOSHII (IMRAM, Tohoku U.)

Ultra-High Temperature TPD: A Frontier Tool for Heteroatom Characterization

Organizer: Frontier Research Institute for Interdisciplinary Sciences (FRIS)

Contact: Dr. Wei YU (FRIS) Email: yu.wei.a3@tohoku.ac.jp

Access:

TOKYO ELECTRON House of Creativity (B02), 3rd floor, Katahira
(知の館 (B02), 3 階講義室, 片平)

東北大学片平キャンパス

