

# 1<sup>st</sup> Ph. D Students Battery Forum in Japan

Organizer: Naoaki Yabuuchi, Yokohama National University, sponsored by NEWARE

Onsite meeting at Yokohama National University, Yokohama, on Dec. 13<sup>th</sup>–14<sup>th</sup>, 2024  
(Room B201, Lecture Hall, Faculty of Science and Engineering)

## 13<sup>th</sup> Dec.

14:00 – 14:10 Greeting ceremony, Naoaki Yabuuchi and NEWARE

14:10 – 14:30 Lyu Shaofan (Waseda Univ.)

Title: Thermal stability of O<sub>3</sub>-NaMO<sub>2</sub> electrodes

14:30 – 14:55 Guan Weiye (Yokohama National Univ.)

Title: Durable and Reliable Positive Electrode Materials for Li Storage Applications

14:55 – 15:10 rest

15:10 – 15:35 Kana Onoue (Hokkaido Univ.)

Title: Analytical study of Interface Reactions between Solid Electrolytes and Cathode Active Materials

15:35 – 16:00 Taichi Asakura (Osaka Metropolitan Univ.)

Title: Control of Li/Solid Electrolyte Interface for Suppressing Short-Circuiting in Sulfide-Based All-Solid-State Li Metal Batteries

16:00 – 16:25 Zheng Huang (Tohoku Univ.)

Title: Exploration of Na-ion conducting halide-based solid electrolytes

16:25 – 16:35 rest

16:35 – 17:00 Yuki Fujii (Tokyo University of Science)

Title: Electrochemical analysis using unique electrode designs for understanding sodium de/insertion at carbon electrodes

17:00 – 17:25 Huazhen Liu (Kyoto Univ)

Title: Assessing positive electrode stability and Al current collector corrosion in ionic liquid electrolytes.

17:25 – 17:30 Closing ceremony

18:30 – Dinner and scientific discussions

## 14<sup>th</sup> Dec.

10:00 – Lab tour in YNU and free discussions