

## Mini Workshop on Solid State Ionics

**Date & time:** 13:00~15:40, November 10<sup>th</sup>, 2023  
**Place:** Katahira-Kitamon Commons, 2F, Seminar Room  
Katahira-Campus, Tohoku University  
[https://www.tohoku.ac.jp/en/about/facilities/conferences\\_events/215\\_katahira\\_kitamon\\_commons.html](https://www.tohoku.ac.jp/en/about/facilities/conferences_events/215_katahira_kitamon_commons.html)

Solid-state ionics is one of essential scientific disciplines for the design and operation of devices utilizing solid electrolytes, such as solid oxide fuel cells/electrolyzers and all-solid-state batteries. In this workshop, we will invite Prof. Jennifer Rupp from TU Munich, Germany to discuss recent topics in the field of solid state ionics and provide an opportunity for international exchanges to young researchers and students.

### **Time table:**

13:00~13:10      Opening remarks  
Prof. Koji Amezawa, IMRAM, Tohoku University

### Recent topics of SSI research in Tohoku University

13:10~13:40      “CT-XANES: A New Lens into 3D Heterogeneous Reactions in Battery Electrodes”  
Assistant Prof. Yuta Kimura, IMRAM, Tohoku University  
13:40~14:10      “Bulk Defect Engineering and Exploration of New Inorganic Na-Ion Conductors.”  
Associate Prof. Saneyuki Ohno, IMRAM, Tohoku University

14:10~14:30      Break

### Invited lecture

14:30~15:30      “Space Charge Model and Defect Engineering at Grain Boundary Interfaces in Li<sup>+</sup> Solid State Conductors.”  
Prof. Jennifer Rupp, TU Munich, Germany  
15:30~16:00      Discussion for future collaborations  
Closing remarks