

4th International Symposium on the Frontiers of Functional Materials Research

Date: Jun. 19th, 2024

Venue: Meeting Room, South Multidisciplinary Research Laboratory 2, IMRAM, Tohoku University (Katahira Campus)

Special guest



Prashun Gorai

Assistant Professor

Colorado School of Mines,
National Renewable Energy Laboratory

10:00 – 10:05

Opening remarks

10:05 – 10:45

Dr. Hirofumi Akamatsu (Kyushu Univ.)

"Experimental and theoretical studies on non-oxide polar materials"

10:45 – 11:25

Dr. Akira Nasu (Hokkaido Univ.)

"Proposal of a Novel Synthesis Route Using Na₂S_x Reaction Medium for Sodium Solid Electrolytes"

11:25 – 12:05

Dr. Marcela Calpa (NIMS)

"Liquid-phase synthesis of sulfide solid electrolytes"

~~~Lunch break~~~

13:00 – 13:40

**Dr. Prashun Gorai (Colorado School of Mines)**

"TBD"

13:40 – 14:20

**Dr. Saneyuki Ohno (IMRAM, Tohoku Univ.)**

"Exploration of new class of inorganic ion conductors: halides and oxyhalides"

~~~Coffee break~~~

14:40 – 15:20

Dr. Akira Miura (Hokkaido Univ.)

"Metastability: what it is? how it works?"

15:20 – 16:00

Dr. Masaya Fujioka (AIST)

"Diffusion control methods for synthesizing thermodynamically metastable materials"

16:00 – 16:40

Dr. Tetsuya Yamada (Shinshu University)

"Application of data-driven and autonomous robotics techniques to materials research based on flux crystal growths"

16:40 – 17:10

General discussion

Hosted by Saneyuki Ohno