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| Session Code | [07] ThD2 |
| Session Title | Energy Storage Materials |
| Date and Time | Thursday, October 7, 2021 / 14:00-15:20 |
| Session Room | Room D (302) |
| Session Chair(s) | Donghwa Lee (POSTECH, Korea) Hyun You Kim (Chungnam Nat'l Univ., Korea) |

[[07] ThD2-1] Invited Talk **[Online] 14:00-14:25**

Microscopic Electrochemistry of Ion Transport at Heterogeneous Solid-Solid Interface in Li-Ion Battery

Yoshitaka Tateyama (*Nat'l Inst. for Materials Science, Japan*)

[[07] ThD2-2] Invited Talk **14:25-14:50**

The Origin of Fast Ionic Transport in Lithium Spinel Anode Material: First-Principles Study

Dong-Hwa Seo (*UNIST, Korea*)

[[07] ThD2-3] **[Online] 14:50-15:05**

DFT-Based Computational Design Of Inverse Ruddlesden-Popper-Type Solid Electrolytes For All-Solid-State Lithium Ion Battery Application

Randy Jalem, Yoshitaka Tateyama, Kazunori Takada (*NIMS, Japan*), and Masanobu Nakayama (*NITech, Japan*)

[[07] ThD2-4] **15:05-15:20**

Enhanced Redox Reversibility by Structural Reorganization for Ultrafast and Extremely High Energy Density Partially Ordered Rock-Salt Cathode Materials

Eunryeol Lee, Tae-Wung Wi, Jae Hyun Park, Seok Ju Kang, Hyun-Wook Lee (*UNIST, Korea*), Jinhyuk Lee (*Mcgill Univ., Canada*), and Dong-Hwa Seo (*UNIST, Korea*)