## Session Code [07] ThD2

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<th>Session Title</th>
<th>Energy Storage Materials</th>
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<td>Date and Time</td>
<td>Thursday, October 7, 2021 / 14:00-15:20</td>
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<td>Session Room</td>
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| Session Chair(s) | Donghwa Lee (POSTECH, Korea)  
 Hyun You Kim (Chungnam Nat’l Univ., Korea) |

### [07] ThD2-1 Invited Talk

**Microscopic Electrochemistry of Ion Transport at Heterogeneous Solid-Solid Interface in Li-Ion Battery**  
Yoshitaka Tateyama (*Nat’l Inst. for Materials Science, Japan*)  
[Online] 14:00-14:25

### [07] ThD2-2 Invited Talk

**The Origin of Fast Ionic Transport in Lithium Spinel Anode Material: First-Principles Study**  
Dong-Hwa Seo (*UNIST, Korea*)  
14:25-14:50

### [07] ThD2-3

**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*)  
[Online] 14:50-15:05

### [07] ThD2-4

**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*)  
15:05-15:20