

## Interface IONICS online symposium 2021 Spring Agenda

Japan time  
India time  
Germany time

Held on 9 March 2021

<p>17:00-17:10 13:30-13:40 9:00-9:10</p>	<p><b>Opening remarks: Prof. Yasutoshi Iriyama: Nagoya University</b></p>	
<p>17:10-17:40 13:40-14:10 9:10-9:40</p>	<p>Chair: Yasutoshi Iriyama</p>	<p>Keynote Lecture: Prof. Werner Weppner: CAU Kiel (30 minutes)</p> <p><b>"Electrochemical Basics of Garnet / Electrode Interfaces"</b></p>
<p>17:40-18:00 14:10-14:30 9:40-10:00</p>		<p>Invited Talk: Prof. Wolfgang Zeier: WWU Münster (20 minutes)</p> <p><b>"Linking electrolyte degradation and ionic transport limitations to the performance of solid state batteries"</b></p>
<p>18:00-18:10 14:30-14:40 10:00-10:10</p>	<p><b>Break (10 minutes)</b></p>	
<p>18:10-18:30 14:40-15:00 10:10-10:30</p>	<p>Chair: Masaki Matsui</p>	<p>Invited Talk: Dr. Yoshitaka Tateyama: NIMS (20 minutes)</p> <p><b>"DFT calculation study on Li metal / LLZO electrolyte interfaces: stability and ion transport"</b></p>
<p>18:30-18:50 15:00-15:20 10:30-10:50</p>		<p>Invited Talk: Prof. Munekazu Motoyama: Nagoya University (20 minutes)</p> <p><b>"Short-Circuiting of <math>\text{Li}_{6.6}\text{La}_3\text{Zr}_{1.6}\text{Ta}_{0.4}\text{O}_{12}</math> Caused by Li Plating"</b></p>
<p>18:50-19:10 15:20-15:40 10:50-11:10</p>		<p>Discussion for Lithium metal / Garnet-type solid-state electrolyte interface (20 minutes)</p>
<p>19:10-19:20 15:40-15:50 11:10-11:20</p>	<p><b>Break (10 minutes)</b></p>	
<p>19:20-19:40 15:50-16:10 11:20-11:40</p>	<p>Chair: Takashi Nakamura</p>	<p>Invited Talk: Prof. Koji Amezawa: Tohoku University (20 minutes)</p> <p><b>"Thermodynamic consideration on interfacial stability in all solid-state batteries"</b></p>
<p>19:40-20:00 16:10-16:30 11:40-12:00</p>		<p>Invited Talk: Prof. Yasutoshi Iriyama: Nagoya University (20 minutes)</p> <p><b>"Lithium concentration change around the interface in all-solid-state battery"</b></p>
<p>20:00-20:20 16:30-16:50 12:00-12:20</p>		<p>Discussion for Compositional non-stoichiometry at solid-solid interface (20 minutes)</p>
<p>20:20-20:30 16:50-17:00 12:20-12:30</p>	<p><b>Closing remarks: Prof. Ramaswamy Murugan: Pondicherry University</b></p>	

Chaired by Prof. Masaki Matsui: Kobe University