

# 全固体電池国際セミナー

## International Seminar on All-Solid-State Batteries

**Towards solid state batteries: From material fundamentals to transport limitations in electrodes**

**2025年8月4日(月)**  
**13時30分～15時**  
(受付開始13時～)

主催：大阪公立大学 全固体電池学術共同研究拠点  
共催：大阪公立大学 全固体電池実用化研究会

The advent of solid-state batteries has spawned a recent increase in interest in lithium conducting solid electrolytes. However, many open questions remain when trying to optimize electrolytes and understand solid state battery chemistries.

In this presentation, we will show how an understanding of the structure-transport properties can help tailor the ionic conductivity.

In a second part of this presentation, we will show how pressure induces dislocation densities in solid ionic conductors. By increasing the strain and dislocations in solid ionic conductors the overall ionic transport properties improve providing a new avenue for materials optimization.

In the last part, we will show that it is not only important to find fast ionic conductors, but that fast ionic conduction is paramount within solid state battery composites. Measuring the effective ionic transport in cathode composites provides an avenue to explore transport and stability limitations that in turn provide better criteria for solid state battery performance.



**講師**

**Prof. Wolfgang Zeier**

(University of Münster, Germany)

**言語** 英語のみ (通訳の予定はございません)

**申込締切** 2025年8月1日(金)

**参加申込フォーム**

<https://forms.gle/YssmubbH2SWLSars7>

**無料**

Zoomによる  
ハイブリッド開催

**Zoom**

ミーティング ID 964 6291 2989 パスコード 387300

**お問い合わせ**

大阪公立大学 全固体電池研究所  
(学術共同研究拠点事務局)

✉ [gr-knky-assb@omu.ac.jp](mailto:gr-knky-assb@omu.ac.jp)

Tel: 072-254-8327

**会場** 大阪公立大学 中百舌鳥キャンパス  
A 12棟

最寄り駅：南海高野線「中百舌鳥駅」徒歩約13分  
南海高野線「白鷺駅」徒歩約7分 他

