

## **Session Program**

**30 August 2026 to 3 September 2026**

## **Sintering 2026**

### **Cold sintering**

# Tuesday 1 September

10:50

## Cold sintering

**Session** | **Location:** Eurogress Aachen, Room K4

10:50-11:20

### Transient chemistry evolution and defect formation in cold sintered dielectric ceramics

#### Speaker

Abdullah Jabr

11:20

11:40

## Cold sintering: (1)

**Session** | **Location:** Eurogress Aachen, Room K4

11:40-12:00

### Mechanistic Insights into Cold Sintering of Aluminosilicate-Based Powders: Evidence from Dissolution and Intergranular Phase Evolution

#### Speaker

Levent Karacasulu

12:00-12:20

### In operando Impedance Spectroscopy: a tool to reveal the influence of Cold Sintering Process parameters on microstructure and electrical properties

#### Speaker

Mr Emeric SANCHEZ

12:20

13:40

## Cold sintering: (2)

**Session** | **Location:** Eurogress Aachen, Room K4

13:40-14:10

### In situ analysis of solid-liquid interfaces during Cold Sintering Process through impedance spectroscopy

#### Speaker

Thomas Herisson de Beauvoir

14:10-14:30

### Kinetic study of Zinc Oxide sintered by Cold Sintering Process (CSP)

#### Speaker

Nicolas Albar

14:30-14:50

### Insights into NASICON Solid Electrolytes Densification via Cold Sintering Process with Sodium Ionic Salt Compositing

#### Speaker

Dr Sergio Ferrer-Nicomedes

14:50-15:10

### Influence of cold sintering parameters on the microstructure and transport properties in $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ / $\text{LiFePO}_4$ composites for all-solid-state batteries

15:10

**Speaker**

Ambre Tanniou

15:30

**Cold sintering: (3)****Session** | **Location:** Eurogress Aachen, Room K4

15:30-16:00

**Densification and recycling of perovskite ceramics using chemical reactions in base solution****Speaker**

Dr Yuki Yamaguchi

16:00-16:20

**Role of Particle Size and Reaction Chemistry on the microstructure and properties of Reactively Cold-Sintered BaTiO<sub>3</sub>****Speaker**

Mr Sheheryar Khan Awan

16:20-16:40

**Chemically driven Cold Sintering Process of silica down to room temperature****Speaker**

Mrs amna korbi

17:00

16:40-17:00

**Break**