

Session Program

30 August 2026 to 3 September 2026

Sintering 2026

Poster Session

Tuesday 1 September

17:00

Poster Session

Poster Session | **Location:** Eurogress Aachen, Foyer, second floor

Ultrafast high temperature sintering and synthesis of high entropy electrolytes

Speaker

Mattia Biesuz

Challenges in Production of Ultra-high Temperature Ceramics for Aerospace

Speaker

Ethan Ellis

Sintering aids for transparent high-entropy garnet ceramics

Speaker

Tereza Havlikova

Low-energy densification of LaMnO₃ ceramics via spark plasma sintering

Speaker

Prof. Amparo Borrell

Monomer Chain Length Effects on DLP Ceramic Printing and Sintering

Speaker

Jošt Oblak

Development of Fe-Cu Based Sintered Composites Reinforced with Graphite and SiC for Automotive Clutch Applications

Speaker

Mr Ki-Taik Lee

Isoporous LaFeO₃ catalysts for green hydrogen generation

Speaker

Bruno Assis da Rocha

Field-assisted sintering of NaSICON-type NZSP solid-state electrolyte for all-solid-state batteries in decentralized energy storage

Speaker

Mr Christian Biermann

Effect of W-V Alloying on the FAST/SPS Densification of Wf/W Composites

Speaker

Chongyang Liu

Microstructural and Thermal Properties of a ZrO₂-30 wt% Diamond Composite Sintered by the SPS Method

Speakers

Dr Dorota Tyrała, Prof. Lucyna Jaworska

Mechanistic Investigation of Densification and Na-ion Transport in Cold Sintered and Conventional Sintered Mg-doped NASICON-type Solid Electrolyte

Speaker

Mr Sandipan Bhattacharyya

Fabrication of hierarchical porous transport layers for anion exchange membrane electrolyzers.**Speaker**

Elo Overgaard Mogensen

Microstructural Tailoring of Nacre-Inspired Alumina Composites Via Molecular Layer Deposition and Hot Pressing**Speaker**

Nithin Thonakkara James

Enhanced mechanical performance of BaZr_{0.7}Ce_{0.2}Y_{0.1}O_{3-δ} (BZCY721) proton-conducting membranes prepared by cold sintering and subsequent thermal-treatment**Speaker**

Mr Syed Ali Afzal

Plasma sintering application on advanced breeding functional materials for fusion applications**Speaker**

Dr Jae-Hwan Kim

Low-Temperature Sintering Copper Powder with Self-Reducing Properties via Polyol Process**Speaker**

Naoki Yamaoka

Phase Evolution and Microstructural Development of Cu₂O: A Spark Plasma Sintering Study**Speaker**

Mr Sergio Ojeda-Santillan

Development of a phase-field sintering model for highly accurate prediction of sintered microstructure and defects**Speaker**

Mr Aoi Nakazawa

18:30