

Session Program

30 August 2026 to 3 September 2026

Sintering 2026

**In situ measurements and analysis of
sintering**

Thursday 3 September

09:00

In situ measurements and analysis of sintering: (1)

Session | **Location:** Eurogress Aachen , Room K1

09:00–09:30

Quantification of 3D particle morphological changes during the sintering process of Cu powder using in-situ X-ray CT

Speaker

Prof. Yukiko Ozaki

09:30–09:50

Sintering of oxides: the significant impact of carbon on densification kinetics

Speaker

Etienne Martin

09:50–10:10

Grain boundary engineering of low yttrium doped barium cerate through lithium sintering aid infiltration

Speaker

Pablo Castellani

10:10–10:30

Towards a better comprehension of high-pressure sintering mechanisms through in situ approach.

Speaker

Chloé OLLIVIER

10:30

10:50

In situ measurements and analysis of sintering: (2)

Session | **Location:** Eurogress Aachen, Room K1

10:50–11:10

Study of the interaction between UO₂ and U₃O₈ during the sintering of nuclear fuel pellets

Speaker

Antoine Rousselot

11:10–11:30

In-Situ Informed Data-Driven Modelling of Fast-Firing Liquid-Phase Sintering of Aluminosilicates

Speaker

Alejandro Lejtman Rotberg

11:30–11:50

Enhancing Diamond Retention in Bronze Bonded Grinding Tools

Speaker

Ertuğrul İşlek

11:50