## Free webinar

## Novel high performance materials & components

Energy intensive industries require a radical transformation of their production processes to reach carbon neutrality by 2050. Future low carbon technologies and processes should address fluctuating and extreme conditions, such as high temperature or corrosive environments, materials and components that will need to be able to be sustained. In the same way, they also need to be designed for high-energy performance.

This free webinar organized within the P4P Partnership of A.SPIRE aims at presenting the main advances achieved within some of the projects aligned with the LC-SPIRE-08-2020 work-topic.

registration

	Programme GMT +2
10:00	Welcome and opening
10:05	New generation of refractory stainless steels for the industry. The effect of cooling rate during solidification on high temperature properties HIPERMAT Fernando Santos / Emili Barbarias (AZTERLAN Metallurgy Research Centre)
10:25	Rapid development of new materials through the use of a combined approach of generative and physics-based models ACHIEF Andrea Gregores Coto ( <i>R&amp;D Robotics &amp; Automation</i> )
10:45	Material Design for Additive Manufacturing: Enablers in Industrial Sustainability TOPAM Ulrich Krupp (IEHK, RWTH-AACHEN UNIVERSITY)
11:05	Enabling the potential of Ceramic Matrix Composites for energy- intensive industries CEM-WAVE Roberto D'Ambrosio (University of PISA)
11.35	Novel Cr-based allows strengthened by intermetallics for structural and

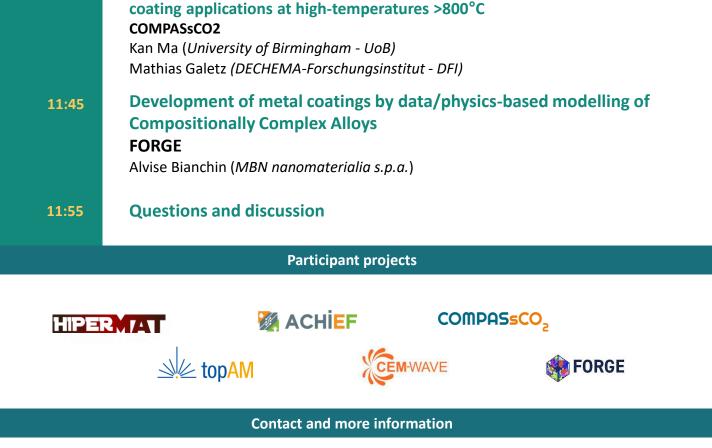


15th Zoom platform

November



## **^SPIRE**





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