

NEW SCENARIO FOR HIGH TEMPERATURE PERFORMANCE MATERIALS AND COMPONENTS

Developing longer lasting materials and components that withstand high temperatures and thermal cycles is necessary to promote less a resource-consuming manufacturing industry.

In this online workshop HIPERMAT PROJECT members will share latest research and innovation regarding the new materials and technologies that are named to transform current industrial reality. For sure, a road that must be walked to achieve #ENERGY and #MINERAL resources savings and increasing #EFFICIENCY and #PRODUCTIVITY of manufacturing processes.

PROGRAM (10:00-12:00)

- ⊗ **Refractory stainless steels chemical composition tuning for high temperature properties improvement.**
Fernando Santos. AZTERLAN Metallurgy Research Centre
- ⊗ **High entropy alloys and superalloys existing alternatives for high temperature application.**
Surbhi Shivaji Jogdand. KTH // David Linder. QUESTEK
- ⊗ **Hydrosolidification, a sustainable process with metallurgical challenges.**
Emili Barbarias. AZTERLAN Metallurgy Research Centre
- ⊗ **LMD technology and its modelling as an alternative for differential layer application over standard substrates.**
Sergio Ausejo. CEIT // Mustafa Megahed. ESI

TARGET AUDIENCES

- PROCESS INDUSTRY REPRESENTATIVES (steel making, foundry, forging...)
- DEVELOPERS AND DESIGNERS OF INDUSTRIAL EQUIPMENT
- R&D EXPERTS FOCUSED ON THE DEVELOPMENT OF MATERIALS AND PROCESSES
- RESEARCH ORGANIZATION MEMBERS

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