

Liquid Metal Processing & Casting Conference - LMPC 2024



Sunday 22 September 2024 - Wednesday 25 September 2024

ASIA Hotel & Spa Leoben

Scientific Programme

The Liquid Metal Processing & Casting Conference (LMPC) is a unique symposium that showcases the latest technological and scientific advances related to those industrial processes used to cast large ingots of highly alloyed metals.

The symposium presents a blend of academic and industrial papers on topics including advances in controls and process simulation, ingot defect formation and characterization studies, and process parameter-material properties characterization. The program will include, but is not limited to, the following topics:

**Primary and Secondary Melt Processing including
VIM, VAR, ESR, EBCHR, EIGA, Plasma Melting,
Ingot Casting, Centrifugal Casting**

Physical Property Measurements of Liquid Metals

Casting and Solidification of Liquid Metals

**Modeling of Metallurgical Processes including
Heat/Mass Flow Modeling of Liquid Metal and
Solidification**

**Ceramic, Slag and Refractory Reactions with
Liquid Metals**

Refining, Evaporation and Gas/Metal Reactions

**Fundamentals of Reactions Involving Liquid Metals
in Productions Processes**

Hydrogen Metallurgy

Metallurgical Applications of MHD