

Liquid Metal Processing & Casting Conference - LMPC 2024

22 September 2024 - 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 Production Processes

Hydrogen Metallurgy

Metallurgical Applications of MHD