

Session Program

22-25 Sept 2024



Liquid Metal Processing & Casting Conference - LMPC 2024

Session 2

ASIA Hotel & Spa Leoben
In der Au 1/3, A-8700 Leoben, Austria

Monday 23 September

16:10

Session 2: VAR

Session | **Location:** ASIA Hotel & Spa Leoben, In der Au 1/3, A-8700 Leoben, Austria | **Convener:** Paul King

16:10–16:30

3D Transient Numerical Modelling of Vacuum Arc Remelting Process and its implication on 2D Axisymmetric Model

Speaker

Prof. Lang Yuan

16:30–16:50

Improvements to Ingot Quality of Industrial-Scale Vacuum Arc Remelted Ti6Al4V by Application of Magnetic Sensing and Controls

Speaker

Dr Matthew Cibula

16:50

Tuesday 24 September

08:30

Session 2: VAR 2

Session | **Location:** ASIA Hotel & Spa Leoben, In der Au 1/3, A-8700 Leoben, Austria | **Convener:**
A. Stewart Ballantyne

08:30–08:50

Segregation in vacuum arc remelted ingots of titanium alloys

Speaker

Alec Mitchell

08:50–09:10

A numerical study on the solidification shrinkage of the ingot in vacuum arc remelting (VAR) process

Speaker

Mraz Krystof

09:10–09:30

Magnethohydrodynamics (MHD) analysis of the molten pool in Vacuum Arc Remelting (VAR) of Alloy 718 utilizing Gaussian distribution

Speaker

Mehran Abdi

09:30–09:50

Consumable electrode vacuum arc remelting of gamma-TiAl with online feeding

Speaker

Alexander Specht

09:50–10:10

Numerical Simulation of Asymmetric Cooling in Vacuum Arc Remelting Furnace

Speaker

Alexis Clarissou

10:10