

Liquid Metal Processing & Casting Conference - LMPC 2024

Wednesday 25 September 2024

Session 8: Properties (10:40-12:00)

-Conveners: Ashish Patel

time	[id] title	presenter
10:40	[12] A Novel Approach for Measuring the Electrical Conductivity of Molten ESR Slag Systems	Mr DRUDE, Emanuel-Sebastian
11:00	[28] Surface tension and viscosity measurements on laser heated liquid gallium droplets using acoustic levitation and oscillations methods	Mr STROZYK, Hervé
11:20	[54] Non-metallic inclusion capture at the steel-slag interface in tundish simulations	HOLZINGER, Gerhard
11:40	[23] Effect of deoxidizing elements on inclusions in vacuum refining of stainless steel	Mr NARITA, Shunsuke

Session 8: Properties 2 (13:30-15:10)

-Conveners: Thibault Quatravaux

time	[id] title	presenter
13:30	[7] Modelling the physical properties of electrofluxes through the lens of experimental data	Dr MOHSSENI, Javad
13:50	[35] A Review of Nitrogen Solubility in Nickel-based Alloys	SMITH, Richard
14:10	[57] Steel and slag combined in HT-CSLM: A new approach for the in-situ investigation of non-metallic inclusions	Mr CEJKA, Julian
14:30	[52] Integrated Numerical and Experimental Analysis of Refractory Erosion: A Case Study on Alumina with CAS and CASM Slags	GUARCO, Jeronimo
14:50	[56] Experimental observation and CFD study on inclusion particle behavior at a slag/argon interface	ZHANG, xiaomeng

Session 8: Properties 3 (15:30-16:50)

-Conveners: Christoph Turk

time	[id] title	presenter
15:30	[45] Influence of forced convection and variation of composition on the forming of iron-rich phases in an A226 alloy	WANG, Qianbo
15:50	[16] Microstructural evolution and dynamic phase transformation of micro-alloyed steel during hot deformation and its impact on the 2nd ductility minimum	Mr BAKHTIARI, Saeid
16:10	[51] Laser ultrasound for in line and in situ measurements during casting and rolling.	SCHERLEITNER, Edgar
16:30	[69] Reducing the risk of blowholes in heavy steel plates: causes to consider	MEDOVAR, Lev Medovar