

Session Program

5-7 Oct 2021

**9th International Conference on Modeling
and Simulation of Metallurgical Processes in
Steelmaking - STEELSIM2021**

***T_3 Slag, refractory and their interaction with
steel***

Virtual Conference

Wednesday 6 October

10:20

T_3 Slag, refractory and their interaction with steel

Session | **Location:** Room 1 | **Convener:** Prof. Bernhard Peters

10:20–10:40 **Liquid-liquid mass transfer in steelmaking processes**

Speaker

Dr Pascal Gardin

10:40–10:55 **A sub-particle model for inclusions at the gas/steel interface**

Speaker

Mr Zilong Qiu

10:55–11:10

Improving the slag-metal separation of a Blast Furnance Trough with the use of numerical simulations

Speaker

Mr Rodrigo Garcia Ribeiro

11:10–11:25

Numerical Simulation on Refractory Wear and Inclusion Formation in Continuous Casting Tundish

Speaker

Qiang Wang

11:25–11:40

Dynamic changes in slag properties during the reduction stage of the AOD process

Speaker

Dr Ville-Valtteri Visuri

11:40–11:55

How laser OES real time analysis enables the in-situ integration of slag analysis into simulation models

Speaker

Alexander Schlemminger

11:55