10th European Oxygen Steelmaking Conference - EOSC CTSI 2025

Wednesday 21 May 2025

Transformation towards electric steelmaking (EAF, SMELTER) - Room 1 (16:10-17:30)

time	[id] title	presenter
16:10	[30] PREVENT BOTTLENECKS AND OPTIMIZE LADLE AND CRANE LOGISTICS FOR AN EAF-BOF MELT SHOP	UHL-HAEDICKE, Paul
16:30	[15] Selection of carbon bio-sources based on inherent properties and reactivity for electric smelting furnace applications	Dr KIEUSH, Lina
16:50	[23] Effects of liquid-phase viscosity, gas phase fraction, and sedimentation particle density on foam bubble structure and particle sedimentation behavior	IWAMA, Takayuki
17:10	[60] Evaluation of the changes in oxidic steel cleanness linked to tramp elements introduced by increased scrap recycling	Mr CEJKA, Julian

Thursday 22 May 2025

Transformation towards electric steelmaking (EAF, SMELTER) - Room 1 (08:30-09:50)

time	[id] title	presenter
08:30	[67] The way from BOF to EAF? Investigations and decisions to be done	Mr ABEL, Markus
08:50	[61] Smelter for Green Iron Production and Consequences for the BOF	WIMMER, Gerald
09:10	[29] Refractory solutions for the transformation to Green Steel production – solving challenges due to new furnace designs and complex raw material demands for minimum conversion costs and high productivity.	Mr KOLLMANN, Thomas
09:30	[36] Designing the secondary metallurgy for future steel plant based on Ultimate Electric Arc Furnace	Dr GRUBER, Georg

Transformation towards electric steelmaking (EAF, SMELTER) - Room 1 (10:20-11:40)

time	[id] title	presenter
10:20	[24] Monolithic. Steel Ladles - Advanced and Sustainable Refractory Solution as part of the Green Steel Transformation	NAGEL, Christian
10:40	[47] Simulation of Logistics for Sustainable Steelmaking: Enhancing Efficiency in Green Steel Transitions	Mr MÜHLBÖCK, Stefan
11:00	[41] CFD-Driven Analysis of EAF Dynamics: Insights into Thermal and Flow Optimization	AL NASSER, Mohamad KHARICHA, Abdellah
11:20	[25] Observation of fluid flow characteristics by bottom blowing in the EAF-shaped vessel using physical modelling	PARK, Ji hyeon