7th European Steel Technology and Application Days - ESTAD 2025

Wednesday 8 October 2025

Digitalization, AI & Process Modeling - Auditorium Verdi (16:30 - 18:30)

-**Conveners: Cosmo Di Cecca**

time	[id] title	presenter
16:30	[210] Towards Smarter EAF Steelmaking: AI-Powered Slag Optimization with Real-Time Process Adaptation	NIKNAM MOGHADDAM, Farnaz
16:50	[258] Innovative Method for Scanning an Electric Arc Furnace and Digital Twin-Based Simulation of the Tapping Process	Mr PLIETH, Adrian Dr SHVYDKII, Evgenii
17:10	[415] Continuous improvement on process modelling in EAF steelmaking as support to process prediction and management	FRITTELLA, Piero
17:30	[189] Application of Federated Learning to enhance model-based Decision Support for EAF online Monitoring and Control at multiple plants	KLEIMT, Bernd
17:50	[447] SmartKnB: Artificial Intelligence tools for EAF Optimization	PLACIER, Emmanuel
18:10	[423] CALPHAD-based Thermodynamic and Kinetic Simulation of Secondary Steelmaking with Focus on Inclusion Formation and Modification	Dr GRUNDY, Anthony Nicholas