

## **Session Program**

**Oct 6 - 9, 2025**



# **7th European Steel Technology and Application Days - ESTAD 2025**

## ***Digitalization, AI & Process Modeling***

Palaexpo Veronafiere  
Veronafiere, Viale del Lavoro 8, 37135 Verona

## Wed, October 8

3:20 PM

### Digitalization, AI & Process Modeling

**Session** | **Location:** Palaexpo Veronafiere, Auditorium Verdi, Veronafiere, Viale del Lavoro 8, 37135 Verona | **Convener:** Mauro Bianchi Ferri

3:20 – 3:40 PM

#### Application of Federated Learning to enhance model-based Decision Support for EAF online Monitoring and Control at multiple plants

**Speaker**

Bernd Kleimt

3:40 – 4:00 PM

#### Innovative Method for Scanning an Electric Arc Furnace and Digital Twin-Based Simulation of the Tapping Process

**Speaker**

Adrian Plieth

4:00 PM

4:30 PM

### Digitalization, AI & Process Modeling

**Session** | **Location:** Palaexpo Veronafiere, Auditorium Verdi, Veronafiere, Viale del Lavoro 8, 37135 Verona | **Convener:** Cosmo Di Cecca

4:30 – 4:50 PM

#### Enhancing Integration in the Metals Industry: A Convergence Strategy to Software Architecture

**Speaker**

David Liersch

4:50 – 5:10 PM

#### Continuous improvement on process modelling in EAF steelmaking as support to process prediction and management

**Speaker**

Piero Frittella

5:10 – 5:30 PM

#### SmartKnB: Artificial Intelligence tools for EAF Optimization

**Speaker**

Emmanuel Placier

5:30 – 5:50 PM

#### CALPHAD-based Thermodynamic and Kinetic Simulation of Secondary Steelmaking with Focus on Inclusion Formation and Modification

**Speaker**

Dr Anthony Nicholas Grundy

5:50 – 6:10 PM

#### Estimating the amount of Hot Heel in an EAF: a novel, robust approach.

**Speaker**

Yves Van Ingelgem

6:10 PM