



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

## Wednesday 8 October 2025

### AI & Machine Learning Applications - Respighi (15:00 - 16:00)

-Conveners: Valentina Colla

time	[id] title	presenter
15:00	[227] Navigating the Automation-Augmentation Paradox: Insights from AI Implementation in a Labor-Intensive Foundry	DI IORIO, Vinicio
15:20	[350] From Data to benefit - application of AI technologies in steel production	HERZOG, Kurt
15:40	[45] Predictive-Prescriptive Quality Control in the Steel Industry: A Synergy of Human Knowledge, Machine Learning and Auto-mation Framework	Dr STENICO, Alessandro

### AI & Machine Learning Applications - Respighi (16:30 - 17:50)

time	[id] title	presenter
16:30	[120] Exploring capabilities of an auction-based multiagent system in real-time reactive scheduling	GUTIERREZ, Miguel
16:50	[59] AI-Powered Classification and Prediction of Process Defaults in Steel Manufacturing	Dr FERRAIUOLO, Alessandro Dr GAIA, Luca
17:10	[218] Performance of AI Oriented Contrastive Learning vs Convolutional Neural Networks (CNNs) in Quality Assessment of Zinc Coating Steel Coils	GUTIERREZ, Miguel
17:30	[395] AI-Powered IT Infrastructure for Enhanced Safety in EAF Operations	Prof. COLLA, Valentina