



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

## Thursday 9 October 2025

### Process Transformation & Strategy - Margherita I (11:20 - 12:20)

time	[id] title	presenter
11:20	[281] Development of Oxygen-fuel Burner Design for Electric Arc Furnaces under Supersonic Flow Conditions	KIM, KYUNTAE
11:40	[20] Secondary metallurgy challenges in the transformation from oxygen to electric steelmaking	Mr PEZZA, Andrea
12:00	[299] Towards Green Steel: Challenges, Opportunities, and Strategies for Decarbonization	Prof. BARELLA, Silvia

### Process Transformation & Strategy - Margherita I (13:20 - 15:00)

time	[id] title	presenter
13:20	[110] Complexity of decision-making process through sensitivity analysis for decarbonization technologies	STAMATAKIS, Georges
13:40	[220] Logistics Simulation for the Green Steel Transition: Optimizing Production and Sustainability	MÜHLBÖCK, Stefan
14:00	[192] How can Life Cycle Assessment support the definition of decarbonization strategies: lessons learnt from the GreenHeatEAF project	ALBANO, Francesca
14:20	[341] Optimizing Decarbonization Processes: From Iron Ore to Steel	Mr PETZOLD, Lukas
14:40	[158] Modularization strategy for the construction of Direct Reduction Plants	FERNANDEZ SUAREZ, Ivan Mr GARCIA JIMENEZ, Juan