



# EEC 2026 - 14th European Electric Steelmaking Conference & EMECR 2026 - 5th International Conference on Energy and Material Efficiency and CO2 Reduction in the Steel Industry

## Tuesday 12 May 2026

### Process Control and Quality Improvement - Porta room (08:30 - 10:30)

time	[id] title	presenter
08:30	[159] Effect of Bottom-Blowing on Nitrogen Removal Kinetics in Electric Arc Furnace (EAF) Conditions	BYUN, GeunWoo
08:50	[117] Implementation of Novel Tracing Techniques to Control Steel Cleanness in CO <sub>2</sub> -Neutral Steelmaking	Dr THIELE, Kathrin
09:10	[95] Dynamic Modeling and Optimization of Electric Arc Furnace Operation: Coupling Energy, Oxygen, and Slag Chemistry	Mr AGNIHOTRI, Ankur
09:30	[62] Temperature-Dependent Carburization Kinetics and Carbon deposition of iron in CO-H <sub>2</sub> -CH <sub>4</sub> Gas Mixtures	DAHAN, Jo
09:50	[41] Monitoring the Ar-plasma pre-melting of fluxed Cr <sub>2</sub> O <sub>3</sub> and iron oxides in a lab-scale electric arc furnace	Ms SUN, Yuhan
10:10	[120] Influence of copper and tin on the oxidic cleanness and investigation of the agglomeration tendency of non-metallic inclusions in a medium-carbon steel	Dr CEJKA, Julian