

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

Monday 11 May 2026

Ongoing Research in Electric Steelmaking I - Parini room (11:10 - 13:10)

time	[id] title	presenter
11:10	[156] Sustainable steelmaking route for mitigation of CO2 emissions: Transition from blast furnace (BF) to electric smelting furnace (ESF)	Prof. PARK, JOOHYUN
11:30	[147] Investigating the performance of Electric Smelting Furnace for green iron and steelmaking using feed material of varying quality: Insights from pilot-scale melting and hydrogen-based reduction trials	Mr EMAMI, Ali
11:50	[50] A Global Multiphysics Model of Flow Mechanisms in Industrial Scale DC Electric Arc Furnaces	AL NASSER, Mohamad
12:10	[52] Effect of bottom-blowing pattern on the motion behavior of HBI at the bath surface in an EAF-typed water model	PARK, Ji Hyeon
12:30	[132] All-Electric Plasma Torches as a Replacement for Industrial Gas Burners	Dr LOHSE, Uwe
12:50	[171] Preliminary Results on the Melting of Individual Hydrogen Direct Reduced Iron Pellets in a Laboratory-scale Electric Arc Furnace	HAURU, Matias