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

Tuesday 12 May 2026

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

<u>**AI and Machine Learning in Process Optimization II**</u> **- Washington room (16:30 - 18:30)**

time	[id] title	presenter
16:30	[64] Hybrid Metallurgical and Machine Learning Model for Temperature Prediction in DRI-Based EAF	PARAMASIVAM, Poomalai
16:50	[81] Automated Noise Source Identification in Steel Plants Using Deep Learning	Prof. COLLA, Valentina
17:10	[148] Machine Learning-based Scrap Characterization for Process Optimization in Electric Arc Furnaces	NACHANKAR, Siddharth
17:30	[36] Physics-Informed Reduced-Order Modeling for Temperature Prediction in Industrial Reheating Furnaces	BISWAL, Pratibha
17:50	[8] AI Assisted Thermal Modelling for Advanced Furnace Control and Process Optimization	Mr NAVEIRA, Julian
18:10	[129] Temperature prediction model in an electric arc furnace based on data-driven	GU, Maoqiang

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

Page 1