



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

## Thursday 9 October 2025

### Digital transformation - Steel materials and their application - Mozart (08:30 - 10:10)

-Conveners: Cristian Viscardi

time	[id] title	presenter
08:30	[334] Transparent Online Calculation of Product Carbon Footprint in Steel Industry	Dr SCHLAUTMANN, Martin
08:50	[278] Multi-agent-based approach for decreasing carbon footprint of future integrated steelworks: the AgiFlex overall concept	Dr MATINO, Ismael
09:10	[119] DynReAct – An open-source production planning software	NÖLLE, Christoph
09:30	[58] Optical Measurement of raw material particle size	Dr DENGLER, Christian
09:50	[127] Optimized availability of a mechanical drive system through holistic predictive maintenance approach	Mr ÄIKÄS, Veikko

### Digital transformation - Steel materials and their application - Mozart (10:40 - 12:20)

-Conveners: andrea gruttadauria

time	[id] title	presenter
10:40	[339] HyMAS: A Hybrid Multi-Agent Framework for Autonomous Steel Production Planning	IVANOV, Anton
11:00	[332] Artificial Intelligence-based decision support system for optimizing the ladle furnace process in the ALCHEMIA project	DETTORI, Stefano
11:20	[286] Exploring the Potential of Machine Vision (MV) and Artificial Intelligence (AI) in Steel Production	Mr ALMQUIST, Eric
11:40	[462] Transforming Steelmaking: Advanced Automation Solutions Powering the Twin Transition	Mr ROHRHOFER, Andreas MAYRHOFER, Anna
12:00	[291] Technology Consulting Meets Operational Excellence to Improve Steelplants Operations	Dr BORRMANN, Lukas