



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

## Wednesday 8 October 2025

### Hydrogen-Based Reduction - Vivaldi (14:00 - 16:00)

time	[id] title	presenter
14:00	[169] Important aspects to optimise hydrogen enrichment in direct reduction	Dr HAUCK, Thorsten
14:20	[144] Experimental and model-based investigations on the influence of iron ore properties on hydrogen-based direct reduction kinetics.	GALLWITZ, Michael
14:40	[204] The Role of Pre-Oxidation Degree, Particle Size, and Ore Composition in Optimizing Hydrogen-Based Reduction Efficiency of Magnetite Ores	GARG, Pritesh
15:00	[349] HYBRIT PILOT PROJECT: NEW SPONGE IRON PRODUCT WITH UNIQUE PROPERTIES	RIESBECK, Johan
15:20	[438] Study of the reduction of a hematite pellet by CO-H <sub>2</sub> mixture gas	KANG, youngjo
15:40	[136] Hydrogen direct reduction of iron ores: effect of agglomeration	Prof. CAVALIERE, Pasquale