

October 9 Friday

Room A	Plenary Lecture	
09:30 - 10:10	PL-5	Iron Ore Sintering at Lower Temperature for Reduced Emission of CO₂ in Ironmaking Process Sungmo Jung*(POSTECH), Leonardo Toma Da Rocha, Sung-Wan Kim
Room A	Metallurgical Properties of Agglomerates 1	
10:10 - 10:30	O-31	Mineral Phase Distribution and Reduction Degradation Behavior of Iron Ore Sinters Investigated by Gigapixel Imaging XAFS Yasuo Takeichi*(High Energy Accelerator Research Organization), Yusei Ito, Shuta Nakao, Yasuhiro Niwa, Kanta Ono, Masao Kimura
10:30 - 10:50	O-32	Effect of Total Gas Pressure on Low Temperature Reduction Disintegration of Sinter Taichi Murakami*(Tohoku University), Shiori Nakao, Ryota Higashi
10:50 - 11:10	O-33	Reduction Rate of Sintered Fe₂O₃-CaO-SiO₂-Al₂O₃ Tablets at the Softening and Melting Temperatures Kengo Kato*(University of Toyama), Hideki Ono
11:10 - 11:30	O-34	Quantitative Evaluation of Sinter Reducibility under Blast Furnace Condition Using Mineral Phases Estimated by Hyperspectral Imaging Ryota Higashi*(Graduate School of Environmental Studies, Tohoku University), Daisuke Maruoka, Kenya Horita, Taichi Murakami
11:30 - 11:50	Coffee Break	
Room A	Metallurgical Properties of Agglomerates 2	
11:50 - 12:10	O-35	Metallurgical Characteristics of Cold-agglomerated Iron Ore Briquettes for Blast Furnace Process Vinicius de Moraes Oliveira*(Vale S.A.), Felipe Pimenta Viana, Marcus Eduardo Emrich Botelho, Valdirene Gonzaga de Resende, Fábio Rocha da Silva, Augusto Pereira De Sa, Kevin Song, Wei Wang, Zhu Deqing, Pan Jian
12:10 - 12:30	O-36	Effect of Hot Briquetted Iron Addition on Pressure Loss and Void Structure in Sinter Layers during Load Softening Ryo Iwahashi*(Graduate School of Engineering, Kyushu University), Tatsuya Kon, Ko-ichiro Ohno
12:30 - 12:50	KeyNote 4	Simulation of Cold-Agglomerated Briquettes in a Small Charcoal Blast Furnace Jose Adilson Castro, Bruno Amaral Pereira, Silvio Maranhã, Michel Leite, Fabio Rocha, Vinicius de Moraes Oliveira, Fabricio Parreira, Augusto Pereira, Yuri Ferreira*(Ferrous Technology Center, Vale S.A.)
12:50 - 13:10	O-37	Reduction Roasting of a Low – Grade Iron Ore Using Hydrogen – Containing Resources Rahul Sarkar*(IIT Kanpur), Debanjan Gain
13:10 - 13:30	Poster Award Ceremony	
13:30 - 13:40	Closing Address	