

Session Program

26-29 Jun 2017



EUROPEAN STEEL TECHNOLOGY AND APPLICATION DAYS 2017 - ESTAD 2017

Oxygen Steelmaking

Wednesday 28 June

10:40

Oxygen Steelmaking

Session | Location: Room K2

10:40–11:00 Fully automatic converter steelmaking

Speaker

Mr Gerald Wimmer

11:00–11:20

BOF process improvements by modern gas purging strategy and technology

Speakers

Mr Marcus Kirschen, Mr Matthäus Haider

11:20–11:40

Slagless technology - New BOF performances at GERDAU OURO BRANCO

Speaker

Mr Breno Totti Maia

11:40–12:00

BOF pressure effects over jet penetration at TKCSA

Speakers

Mr Breno Totti Maia, Mr Daniel Carvalho

12:00–12:20

Optimization of converter design with CFD - Practical application for converter revamp

Speaker

Mr Gerald Wimmer

12:20

14:00

Oxygen Steelmaking

Session | Location: Room K2

14:00–14:20

TIP ance nozzle wear study at VALLOUREC BRAZIL BOF

Speaker

Mr Breno Totti Maia

14:20–14:40

Influence of interfacial tension and viscosity on the formation of metal emulsion by rising gas bubble.

Speaker

Dr Sun-Joong Kim

14:40–15:00

BOF lance TIP mult nozzles coalescence trigonometric study

Speaker

Mr Alenisio Alexandre Alves Nogueira

15:00–15:20

Innovative solutions for BOF dedusting systems - Achieving minimum emission levels

Speaker

Mr Herbert Pasteiner

15:20-15:40

BOF cold model - Metal slag bath mass movement determination by supersonic blow from multi nozzles**Speaker**

Mr Breno Totti Maia

15:40

16:10

Oxygen Steelmaking**Session** | **Location:** Room K2

16:10-16:30

Dynamic on-line monitoring and end point control of dephosphorisation in the BOF converter**Speaker**

Mr Martin Schlautmann

16:30-16:50

TBM tuyeres arrangements and flow - comparison between BOF thyssenkrupp CSA and cold model**Speaker**

Mr Daniel Carvalho

16:50-17:10

Analysis of geometrical aspects of BOF converters and correlations with process parameters**Speaker**

Mr Alenisio A. Alves Nogueira

17:10-17:30

Dynamic modeling of the converter off gas composition in the cooling stack**Speaker**

Mr Yuriy Lytvynyuk

17:30

Thursday 29 June

08:30

Oxygen Steelmaking

Session | Location: Room K2

08:30–08:50

State of the art gas cleaning and utilization for BOF gases: operational results and benefits

Speaker

Mr Volker Trappmann

08:50–09:10

Nitrogen behavior during steelmaking of high Al TRIP steels

Speaker

Mr Hongbin Yin

09:10–09:30

Impact of carbon, silicon and manganese contents on the dissolution and melting behaviour of scrap in a dynamic BOF model

Speaker

Mr Florian Markus Penz

09:30–09:50

Application of the similarity method for cold modeling a 330 tons BOF converter in laboratory

Speaker

Mr Breno Totti Maia

09:50–10:10

Successful revamping of submanipulators for the LD-converters at voestalpine Stahl GmbH - safe of process time and availability

Speaker

Mr Martin W. Egger

10:10

10:40

Oxygen Steelmaking

Session | Location: Room K2

10:40–11:00

Value in use of pasek dunite in the BOF process

Speaker

Mr ESTEBAN RUISANCHEZ

11:00–11:20

BOF blowing process challenges for high rate of iron ore pellet addition - Process development and results at TKCSA

Speaker

Mr Daniel Carvalho

11:20–11:40

Continuous improvements in BOF at Arcelor Mittal João Monlevade by technology slagless lance

Speaker

Mr Breno Totti Maia

11:40-12:00

First operating experiences with post-combustion lances at BOF shop LD3**Speaker**

Mr Joachim Lehner

12:00-12:20

Optimization of ferroalloy use in the BOF process using machine learning methods**Speaker**

Mr Viktor A. Lobachev

12:20