

Session Program

26-29 Jun 2017



EUROPEAN STEEL TECHNOLOGY AND APPLICATION DAYS 2017 - ESTAD 2017

Electric Arc Furnace

Tuesday 27 June

17:10

Electric Arc Furnace: Electric Arc Furnace

Session | **Location:** Room G2

17:10–17:30

EAF double probe extraction system for off-gas analysis: the SMS group's cornerstone for EAF process optimization solutions - The synergy program

Speaker

Mr Mauro Milocco

17:30–17:50

Analysis of time delay in heat transfer caused by slag accumulated on EAF side panels

Speaker

Mr Matti Aula

17:50

Wednesday 28 June

08:30

Electric Arc Furnace

Session | **Location:** Room G2

08:30–08:50 Latest modernization developments for electric arc furnaces

Speaker

Mr Hannes Beile

08:50–09:10 CFD modeling of standard and shaft-type Electric Arc Furnaces

Speaker

Mr Andreas Kemminger

09:10–09:30

SmartFurnace system and ZoloSCAN off gas monitoring integration in Vallourec Star

Speaker

Mr Carlos De Los Santos

09:30–09:50

Behaviour of Cs and Sr radionuclides during the electric arc re-melting of contaminated scraps

Speaker

Mr Ian Cameron

09:50–10:10

Soft sensors for improved control of electric arc furnaces

Speaker

Mr Erik Sandberg

10:10

10:40

Electric Arc Furnace

Session | **Location:** Room G2

10:40–11:00

Improved power quality and production benefits in EAF steel making by the use of modern MMC STATCOM

Speaker

Mr Christian Payerl

11:00–11:20

Extended new overview of chemical injection systems at the EAF

Speaker

Mr Hannes Beile

11:20–11:40

SHARC - Shaft arc furnace - Minimized energy consumption, efficient scrap preheating and low conversion costs

Speaker

Mr Andreas Metzen

11:40–12:00

Adaptation of CRM EAF model for 100% DRI charging and implementation at Lazaro-Cardenas plant**Speaker**

Mr Jean-Christophe Pierret

12:00–12:20

Adaptive EAF online control based on innovative sensors and comprehensive models**Speaker**

Mr Tim Rekersdrees

12:20

14:00

Electric Arc Furnace**Session** | **Location:** Room G2

14:00–14:20

Modeling of steel bar melting process in an experimental induction furnace**Speaker**

Mr Chenn Zhou

14:20–14:40

Results in EAF Process optimization with AMIGE SmartFurnace system**Speaker**

Mr Guillermo Fernandez

14:40–15:00

Bypassing problems related to water cooling - Case study for applying ILTEC in an 100t EAF**Speaker**

Mrs Martina Hanel

15:00–15:20

Robotic guided tap hole maintenance on EAF, a major increase of worker safety**Speaker**

Mr Andreas Priesner

15:20–15:40

Technical update on the SMS group automatic slag door condoor: lessons learned and results achieved in 7 years of experience**Speaker**

Mr Mauro Milocco

15:40

16:10

Electric Arc Furnace**Session** | **Location:** Room G2

16:10–16:30

Power system analysis of direct current electric arc funaces - SGL PRO ARC DC**Speaker**

Mr Neil Beever

16:30–16:50

Operation of a DC EAF based meltshop connected to a weak electrical network: A feasibility study

Speaker

Mr Giuseppe Simioli

16:50–17:10

Dunite patch for slagdoor and hearth lining EAF

Speaker

Mr ESTEBAN RUISANCHEZ

17:10–17:30

Activities for EAF Process Improvement to Acciaierie di Calvisano including KPI's approach for process monitoring and implementation of lime injection

Speaker

Mr Piero Frittella

17:30–17:50

Activities for through process modelling and monitoring of steelmaking process to estimate and improve process performances and steel qualities

Speaker

Mr Piero Frittella

18:10