

Session Program

26-29 Jun 2017



EUROPEAN STEEL TECHNOLOGY AND APPLICATION DAYS 2017 - ESTAD 2017

Secondary Metallurgy

Tuesday 27 June

08:30

Secondary Metallurgy

Session | **Location:** Room G2

08:30–08:50

Secondary Metallurgy No. 4 - The answer to the future quality demands at voestalpine Stahl GmbH

Speaker

Mr Andreas Gantner

08:50–09:10

CFD simulation of multiphase melt flows in metallurgical reactors

Speaker

Mr Andreas Kemminger

09:10–09:30

Improving the ingot quality by understanding the behavior of the mold flux during casting process using a 3D fluid/structure numerical simulation model

Speaker

Mr Olivier JAOUEN

09:30–09:50

Physical modeling of bottom gas injection in metallurgical ladles: Status and current challenges

Speaker

Mr Alberto Conejo

09:50–10:10

Real time sensing, dynamic modelling and advanced control of melt temperature in liquid steelmaking

Speaker

Dr Bernd Kleimt

10:10

10:40

Secondary Metallurgy

Session | **Location:** Room G2

10:40–11:00

Macroscopic texture examination of huge polished micrograph sections for validation of remelting simulations

Speaker

Mr Moritz Eickhoff

11:00–11:20

In situ measurement of silicon content in molten ferrochrome

Speaker

Mr Ville-Valtteri Visuri

11:20–11:40

Characteristics of ladle flow field by gas bubbling method

Speaker

Mr EUNJU JEONG

11:40–12:00

Automation of hot metal pouring in our steel plant**Speaker**

Mr Hans Pronk

12:00–12:20

Development of high quality grades production techniques using a VOD plant at voestalpine Giesserei Linz**Speaker**

Mr Andrea Pezza

12:20

14:00

Secondary Metallurgy**Session** | **Location:** Room G2

14:00–14:20

Study of large size Ds type inclusions in bearing steel**Speaker**

Mr Zhaoping Chen

14:20–14:40

Steel vacuum degassing mechanical pumping system without process gas filter: latest technical developments for reduction in CAPEX and OPEX**Speaker**

Mr Mauro Milocco

14:40–15:00

Assessing the effect of two different deoxidation practices on non-metallic inclusions and mechanical properties and their evolution with thermomechanical processing.**Speaker**

Mr Jose Manuel Naranjo-Espinosa

15:00–15:20

Identification of peritectic grades of steel using high temperature phase transformation studies**Speaker**

Mr P P Sahoo

15:20–15:40

Analysis of multi component oxides by calibration-free laser-induced breakdown spectroscopy**Speaker**

Mr Roman Rössler

15:40

16:10

Secondary Metallurgy**Session** | **Location:** Room G2

16:10–16:30

Upgrade of stainless and special steel production by implementation of AOD process at ACRONI

Speaker

Mr Bernhard Voraberger

16:30–16:50

Improvement of productivity for ultra-low carbon grade of Cr base ferrite stainless steel

Speaker

Mr Wataru Todo

16:50–17:10

Vacuum converter - Producing special steels and ferroalloys

Speaker

Mr Stefan Lemke

17:10