

Session Program

26-29 Jun 2017



EUROPEAN STEEL TECHNOLOGY AND APPLICATION DAYS 2017 - ESTAD 2017

Industry 4.0

Tuesday 27 June

16:10

Industry 4.0

Session | **Location:** Room K2

16:10–16:30

The BFI-I4.0 solution modules for fully exploiting the digitization efforts of the European steel industry

Speaker

Mr Marcus J. Neuer

16:30–16:50

Danieli intelligent system: a leap forward towards the intelligent plant

Speaker

Mr Antonio Comelli

16:50–17:10

The digitalization of steel production

Speaker

Mr Kurt Herzog

17:10–17:30

Know-how based root-cause analysis tool to ensure high product quality and process stability

Speaker

Mr Lukas Pichler

17:30–17:50

Custom fitted order dressing for metals industries

Speaker

Mr Gunther Schober

17:50

Wednesday 28 June

08:30

Industry 4.0

Session | **Location:** Room 2.32

08:30–08:50

Using numerical simulation and virtual reality visualization for steelmaking applications

Speaker

Mr Chenn Zhou

08:50–09:10

How-to optimize steel quality by applying Industry 4.0 techniques in real-world practical examples

Speaker

Mr Marcus J. Neuer

09:10–09:30

Data mining continuous sensor data for training plant wide defect models

Speaker

Mr gabriel fricout

09:30–09:50

Manufacturing execution systems MES 4.0 from SMS group

Speaker

Mr Wilfried Runde

09:50–10:10

How technological advancements in proactive and predictive maintenance can increase the lifecycle of plant equipment

Speaker

Mr Werner Klein

10:10

10:40

Industry 4.0

Session | **Location:** Room 2.32

10:40–11:00

The KPI-driven and agile metals supply chain

Speaker

Mr Robert Jäger

11:00–11:20

Improving operational efficiency and cost competitiveness of steel plants - A case study for electric furnace melt shop and hot rolling mill

Speaker

Dr Yakov Gordon

11:20–11:40

Valuable principles for effective planning & scheduling: A holistic approach

12:20

Speaker

Mr Werner Klein

11:40–12:00

Advanced data-driven prediction models for BOF end-point detection**Speaker**

Mr Norbert Uebber

12:00–12:20

Practical user experience with an Industrie 4.0 electrode control system**Speaker**

Mr Christoph Sedivy

14:00

Industry 4.0**Session** | **Location:** Room 2.32

14:00–14:20

Indoor positioning of steel ladles using beacons**Speaker**

Mr Lukas Voj

14:20–14:40

Introduction of tablets for work roll evaluation**Speaker**

Mr Jurgen Malbrancke

14:40–15:00

PQA-the success factor to reach next performance level in hot and cold rolling**Speaker**

Mr Jens Kempken

15:00–15:20

Industry 4.0 in rolling mills enabled by proactive quality assurance**Speaker**

Mr Hans Peintinger

15:20–15:40

Newly developed combined abrasive cut-off and cold circular sawing machines for flexible applications in the steel and special metals industry**Speaker**

Mr Gerhard Richter

15:40

16:10

Industry 4.0**Session** | **Location:** Room 2.32

16:10–16:30

Rolling into the future by digitalization**Speaker**

Mr Paul Riches

16:30–16:50

Machine intelligence for meltshop 4.0**Speaker**

Mr Michele Vezzola

16:50