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Programme

EASES 2015

1st European Academic Symposium on EAF Steelmaking



11 - 12 June 2015
Aachen, Germany

Contact

IOB - Department for Industrial Furnaces and Heat Engineering

RWTH Aachen University

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Any Questions? Please feel free to contact us!

Programme

Wednesday, 10.06.2015

18:00 Get together at the IOB (optional) with barbecue and drinks

Thursday, 11.06.2015

9:00 Welcome and Introduction to the RWTH Aachen University and the Department for Industrial Furnaces and Heat Engineering

9:30 Development of a CFD Simulation Model of the Heat and Mass Transfer in an Electric Arc Furnace

Jacqueline C. Gruber, Thomas Echterhof, Herbert Pfeifer

10:15 Coffee break

10:45 Gas Phase Modelling and Simulation in an Electric Arc Furnace Process Model

Thomas Meier, Thomas Echterhof, Herbert Pfeifer

11:30 New Control Concept for Post Combustion and EAF Off-Gas System on the Basis of NN and Measurements in Less Harsh Condition

Atefeh Hassannia, Thomas Meier, Thomas Echterhof, Herbert Pfeifer

12:15 Lunch

13:15 Spectrometric Measurements and Vibration Sensors at a 140 t DC Electric Arc Furnace for On-Line Evaluation of Scrap Melt-down Behavior

Vico Haverkamp, Sebastian Gogolin

14:00 Measuring the Scrap Level in an AC EAF by Using Vibrations and Harmonic Distortion

Christoffer N. Schmidt, Nils Å.I. Andersson, Pär Ljungqvist, Anders Tilliander, Pär G. Jönsson

14:45 Coffee break

15:15 On-Line Optical Emission Spectrum Measurement in Control of Electric Arc Furnaces

Matti Aula, Timo Fabritius

16:00 Department tour

18:00 Guided City tour

20:00 Dinner



Friday, 12.06.2015

9:00 EAF Steelmaking: Scuola Superiore Sant'Anna (Italy) Research Activities

Ismael Matino, Valentina Colla

9:45 Use of Biomass and Biogenic Carbonisates in EAF Steelmaking

Thorsten Demus, Thomas Echterhof, Herbert Pfeifer

10:30 Coffee break

11:00 Development of a Cement Bonded Brick of Ladle Slag and Bio-char for the Usage in Electric Arc Furnaces during Steel Production

Tim Reichel, Thomas Echterhof, Herbert Pfeifer

11:45 The VALEAF RFCS Project

Thomas Echterhof

12:30 Lunch

14:00 End of the Symposium

Location

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