



Photo: S. Blinn

## Programme

# EASES 2016 2<sup>nd</sup> European Academic Symposium on EAF Steelmaking



**12 - 13 May 2016**  
**Aachen, Germany**

### Contact

IOB - Department for Industrial Furnaces and Heat Engineering

RWTH Aachen University

Dr.-Ing. Thomas Echterhof

Kopernikusstr. 10

52074 Aachen, Germany

Phone: +49 241 80-25958

mail: [seminar@iob.rwth-aachen.de](mailto:seminar@iob.rwth-aachen.de)

Any Questions? Please feel free to contact us!

## Programme

Wednesday, 11.05.2016

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

Thursday, 12.05.2016

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

9:15 The past and the future of RFCS funded EAF research - results of the VALEAF project  
*Thomas Echterhof*

10:00 Foaming Slag Management by Process-Controlled Feeding of Fine Coal at a 165 t AC Electric Arc Furnace  
*Steffen Osterloh, Vico Haverkamp*

10:45 Coffee break

11:15 Modelling of the Gas Phase in an Electric Arc Furnace Process Simulation Model  
*Thomas Meier, Thomas Echterhof, Herbert Pfeifer*

12:00 Sensitivity study on electric arc furnace dedusting system model based on the input leak air calculation  
*Atefeh Hassannia, Thomas Echterhof, Herbert Pfeifer*

12:45 Lunch

13:45 Optical emission spectrum measurement in on-line analysis of scrap melting in electric arc furnaces  
*Matti Aula, Mikko Jokinen, Timo Fabritius*

14:30 Spectrometric and Vibration Measurements at a 140 t DC Electric Arc Furnace for On-Line Evaluation of Scrap Meltdown Behaviour  
*Sebastian Gogolin, Vico Haverkamp*

15:15 Coffee break

15:45 Indication of flat bath using acoustic measurements in a 6 ton AC EAF  
*Christoffer N. Schmidt, Nils Å.I. Andersson, Anders Tilliander, Pär G. Jönsson*

18:00 Guided City tour

20:00 Dinner



Friday, 13.05.2016

9:00 The microstructural scale of the interaction between Pig Iron (PI) and Hot Briquetted Iron (HBI) at high temperatures  
*A. F. Ciuffini, C. Di Cecca, S. Barella, A. Gruttadauria, C. Mapelli*

9:45 Charging of direct reduced iron in EAF: effect on yield  
*C. Di Cecca, A. F. Ciuffini, S. Barella, C. Mapelli, A. Gruttadauria, D. Mombelli*

10:30 Coffee break

11:00 Investigation of the suitability of biogenic materials for the application in EAF steelmaking as substitutes for fossil resources  
*Thomas Willms, Thomas Echterhof, Herbert Pfeifer*

11:45 LCA Case study: Environmental impacts of the biochar usage in the Electric Arc Furnace  
*Tim Reichel, Thomas Echterhof, Herbert Pfeifer*

12:30 Lunch

14:00 End of the Symposium

## Location

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