

FINAL WORKSHOP



February 20 3:35-6:00 P.M.

Session 4: Digital solutions for slag

Programm

15:35 - Introduction

15:30 - Digital solutions to optimize slag reuse and recycling in electric steelmaking at optimum metallurgical performance: The iSlag project | Valentina Colla - Scuola Superiore Sant'Anna

Authors: V. Colla, A. Petrucciani, A. Zaccara, I. Matino, M. Vannucci, T.A. Branca, M. Ferrer, G. Stubbe, B. Palm, D. Adolphy, J. Seehausen, J-S. Klung, P. Frittella, F. Fredi, F. Cirilli, A. Devito, M. Guzzon, A. Pal, V. Scipolo, E. Malfa, A. Morillon, P. Gabiati

16:00 - Measurement systems for characterisation of liquid slag during liquid steelmaking |

Gerald Stubbe - BFI

Authors: Gerald Stubbe, Daniel Adolphy, Bernd Kleimt, Birgit Palm; VDEh-Betriebsforschungsinstitut GmbH (BFI) | Jonas Seehausen; Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG (DEW)

16:20 - Improve sustainability and circularity of electric steelworks through a Decision Support System for slag management | Alice Petrucciani & Antonella Zaccara - Scuola Superiore Sant'Anna

Sant'Anna

Authors: A. Petrucciani, A. Zaccara, I. Matino, V. Colla, M. Vannucci, T.A. Branca, M. Ferrer

16:40 - iSlag project: slag composition and dynamic modelling for scraps yield estimation |

Paolo Galbiati - Tenova

17:00 - iSlag project: the LIBS technology as enabler for EAF slag valorization |

Marta Guzzon - Tenova

Authors: Luca Campana, Jacopo Balocco, Vincenzo Manzoni, Paolo Galbiati

17:20 - Increasing the efficiency of steel production through rapid in-situ slag analysis using digital sample homogenization | Alexander Schlemminger - QuantoLux

17:40 - Process Modelling applied to improvement of process control as necessary to reduce discarding materials and feasibility of slag recovery |

Piero Frittella - Feralpi

Authors: Feralpi/Calvisano



DIGITAL 4 ENVIRONMENT

Bardolino (Italy), February 20-21