1st International Conference on Plant and Process Technologies for Non Ferrous Metals

METEC Congress 03
Düsseldorf, Germany
June 16–21, 2003

Hall 8.1; June 20, 2003
Keynote Speaker
Mr. Andreas Schütte, Hydro Aluminium Deutschland GmbH, Cologne, Germany

Chairman: Dr. Rolf Degel, SMS Demag AG, Düsseldorf, Germany

01 Sorting of Non Ferrous Metals by Automatic Picking
Stefan Mutz(1), Thomas Pretz(1), Eric van Looy(2)
1)SSE - Separation Systems Engineering GmbH, Wedel, Germany
2)Chair for Processing and Recycling of Solid Waste Materials, RWTH Aachen, Germany

02 New Method of Aluminium and Aluminium Scarp Recycling
DIpl.-Ing. Dr. mont. Heribert Summer, Technology progress in Aluminium, Inc, Austria

03 Continuous melting of damp brass chips
Hans Bebber and Wilfried Spitz, INDUGA GmbH & Co. KG, Cologne, Germany

04 Advanced submerged arc furnace technology for non-ferrous metal industry
Jürgen Kunze, Rolf Degel, SMS Demag AG, Düsseldorf, Germany

Chairman: Prof. Dr.-Ing. Kopp, Institut für Bildsame Formgebung, RWTH Aachen, Germany

05 Innovative Solutions for Improved Metal Quality
Jonathan Prebble, Pyrotek Engineering Materials Ltd., United Kingdom

06 Breakthrough Technology in the Application of Dry Vibratables for Zinc and Aluminum Induction Melting
Douglas K. Doza, Allied Mineral Products, Inc., Columbus, Ohio, U.S.A.
Dr. Dana G. Goski, Ph.D., Allied Mineral Products, Inc., Columbus, Ohio, U.S.A.
Dr. Hartmut Heilmann, Dipl. Min., Allied Mineral Products, Inc., Germany

07 The Vertical Direct Chill Casting Technology for Magnesium Alloys - Including Safety Concepts and Product Quality
F. Pravdic(1), C. Wögerer(2), G. Traxler(2)
1)ARC Leichtmetallkompetenzzentrum Ranshofen GmbH (LKR), Austria
2)ARC Seibersdorf research GmbH, Austria

08 New Ladle Heating System for Non Ferrous Melts
Günther Phillipps and Alejandro Hauck, INDUGA GmbH & Co. KG, Cologne, Germany
Chairman: Prof. Dr.-Ing. Kopp, Institut für Bildsame Formgebung, RWTH Aachen, Germany

09 A New Technology for the Heat Treatment of Floatingly Guided Metal Strips of Copper and Aluminium Alloys - Heating, Quenching, Fast Cooling
Prof. Dr.-Ing. Carl Kramer, WSP Ingenieur GmbH, Germany

10 Advanced Heat Treatment Systems for Today and Tomorrow
Volker R. Knobloch, CEC Consolidated Engineering Company, Inc., Kennesaw, Georgia/USA

11 Latest annealing technology for semi-finished copper and copper alloy products
Sigurd Fanta, EBNER-Industrieofenbau GmbH, Austria

Chairman: Dr. Peter Furrer, Alcan Technology & Management Ltd., Neuhausen, Switzerland

12 Experience Gathered in the Planning and Implementation of Aluminum Extrusion Lines
Dipl.-Ing. Uwe Günter, Elhaus GbmH, Germany
Jan de Groot, Fa. Thermcon, Germany

13 Simulation of processing, microstructures and properties in sheet production of Aluminium
Jürgen Hirsch, Hydro Aluminium Deutschland GmbH, R&D, Bonn, Germany
Online Surface Inspection in Aluminium Hot Rolling

Reinhard Rinn(1), Friedrich Lücking(2),
Robert A. Wortman(3)
1) Parsytec Inc, Chicago, USA
2) Parsytec AG, Aachen, Germany
3) Wise Alloys LLC, Muscle Shoals, AL, USA

The New Warehouse Management System at Alcan Nachterstedt

Thomasz Chrzan, PSI-BT, Berlin, Germany

Deformation analysis of tube in three-roll skew rolling process

Chunhui Luo, Hans Keife, Outokumpu Fabrication Technologies, Sweden
Helikki Knaapi, Patrick Ramsay, Outokumpu Castform Oy, Finland

An Integrated Foil and Converting Plant Case Study: Hezar Aluminium Industries, Islamic Republic of Iran.
Bruno Taraglio, Corrado Licata, FATA Hunter, Division of Fata Group S.P.A., Italy

Economical Production of Seamless Copper Tubes with the KOCKS Rotation Mill [KRM]

Gerhard Kulesa, FRIEDRICH KOCKS GmbH & Co., Hilden, Germany

Mill for cold rolling of tubes from zirconium alloys

Igor Shubin, EZTM J.S.C., Russia

Session Rolling Process

Chairman: Dipl. Ing. Barten, Achenbach Buschhütten GmbH, Kreutztal, Germany

From slab to foil - Complete solutions for processing Aluminium flat products

Ralf Ohrndorf, SMS Demag AG, Germany

Modern Shape and Gauge Control System in Non-Ferrous Rolling Mills

Dipl.-Ing. Wilhelm-Friedrich Sommer, Achenbach Buschhütten GmbH, Germany

Rolling Versus Forging of Cu Based Materials - A comparison of processes

M. Konczalla, D. Rode, H.G. Weber, KM europa Metal AG, Germany

Roll forming of welded inner-grooved tubes for air-conditioning & refrigeration applications with enhanced heat transfer performance

Christoph Walther, Rolf Wamsler, Wieland-Werke AG, Ulm, Germany

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