

ALMAMET

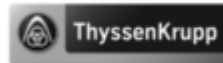
will host the

**14th INTERNATIONAL SYMPOSIUM
ON THE DESULFURIZATION OF
HOT METAL AND STEEL**

In Athens, September 14- 17, 2016

Partner:

ThyssenKrupp
Industrial Solutions



Contents

Transitioning Desulphurization Reagent from CaC₂ to Lime Carrier in South Africa

Steven N. Biljan, Almamet GmbH, Canada.....page 3

Experience of Improving Desulphurization at JSW Steel Ltd

Ravi Dashottar, Amit Sarkar, Abhijit Sarkar, S.C. Vishwanath, Ratna Prasad, India.....page 10

Numerical Simulation of Nitrogen Injected into a Vessel filled with Molten Iron

Yu Weimin, Beijing Met. Equ. R&D Corp. Ltd. Of MCC group; Wang Jie, Lu Tao, College of Mech. and Electr. Engineering, Beijing University of Chemical Technology, China.....page 15

Development of China's Iron and Steel Industry in twenty Years and Optimization of Magnesium Metal Application in Steel Production

Su Tian-sen, The Chinese Society for Metals, China.....page 23

Possibilities of Desulphurization in the New Secondary Metallurgy in the LD3 Steel Plant in Linz

Andreas Gantner, Voestalpine Stahl GmbH, Austria.....page 36

Using of Mg cored wire in foundry and steel industry

Boris Huna, Almamet GmbH Ainring, Germany.....page 42

Primetals Technologies – Solution for Steelmaking from the Market Leader

Jens Kluge, Primetals Linz, Austria.....page 49

Development of Refractory Slag Skimmer Plates

Kumar Subramaniam, Alfred Kremer, GSB group, Germany.....page 59

Graphite Electrodes, Markets and Process Management

Gernot Macher, Almamet GmbH, Austria.....page 67

Dephosphorization reagent for hot metal treatment

Robert Moger, Dunafer, Boris Huna, Almamet GmbH Ainring, Germany.....page 69

Thermal processing of desulfurization slags

Christoph Pichler, Jürgen Antrekowitsch, Doppler Institut Leoben; Karl Pilz, Voestalpine Stahl GmbH, Austria.....page 73

Efficient Hot Metal Desulphurization Ladle

Andreas Viertauer, RHI AG, Austria.....page 82

Innovating the AMC Refractory Products for the Pig Iron Area with the Introduction of Antioxidants

Roberto Prudente, Roberto Peri, Sanac, Italy.....page 88

Switching from Carbide to Lime in Hot Metal Pre-treatment – Tata Steel experience

J Haribabu, Vikram Singh Shekhawat, Sneha Ranjan, Amarnath Mukherjee, Debashis Das, Sudhansu Pathak, TATA Steel, India.....page 98

Economic Desulphurization of Hot Metal by Revamping and Process Optimization

Lutz Kaiser, Thyssen Krupp Industrial Solutions, Germany.....page 104

Metallurgical Improvements by Conversion from Carbide Alloys to KM115-D at Voestalpine Donawitz

Gerald Klösch, Klaus Srienc, VA Donawitz, Gernot Macher, Almamet GmbH, Austria.....page 118