

3RD SCHOOL ON MANGANESE FERROALLOY PRODUCTION

SCHOOL 2020

24-28 AUGUST 2020

PHOTO: Joolet Steenkamp



In conjunction with the Northern Cape Branch



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CPD Points

0.1 ECSA CPD Points for every 1 hour webinar attended

Preliminary Programme

MONDAY 24 AUGUST 2020

Session 1

Session Chair: J.D. Steenkamp¹ and E. Ringdalen², ¹Mintek, South Africa and ²SINTEF, Norway

- 09:00–10:00 **Introduction to manganese ferroalloy production - a market perspective**
A. d'Harambure, *IMnI, France*
- 10:00–11:00 **Geology and mining of the Kalahari manganese ore body**
D. Chetty, *Mintek, South Africa*
- 11:00–12:00 **Geology and mining of the Comilog manganese ore body**
S. Blancher, *Eramet Ideas, France*

TUESDAY 25 AUGUST 2020

Session 2

Session Chair: E. Ringdalen¹ and J.D. Steenkamp², ¹SINTEF, Norway and ²Mintek, South Africa

- 09:00–10:00 **Overview of manganese ferroalloy production in South Africa: Transalloys**
K. Sutherland, *Transalloys, South Africa*
- 10:00–11:00 **Sintering of manganese ore (incl. advances in solar thermal process heat technologies and their relevance to manganese processing)**
L. Hockaday, *Mintek, South Africa*
- 11:00–12:00 **Preheating manganese ore in a pilot-scale rotary kiln**
N. Julia, *Eramet Ideas, France*

WEDNESDAY 26 AUGUST 2020

Session 3

Session Chair: J.D. Steenkamp¹ and E. Ringdalen², ¹Mintek, South Africa and ²SINTEF, Norway

- 09:00–10:00 **Overview of manganese ferroalloy production in South Africa: Assmang**
M. Cele, *Assmang, South Africa*
- 10:00–11:00 **Furnace containment philosophies in manganese ferroalloy production**
J.D. Steenkamp, *Mintek, South Africa*
- 11:00–12:00 **Mineral wool production from waste SiMn slags**
H. Kotze, *CONSENSI, South Africa*
- 12:00–13:00 **Overview of manganese ferroalloy production in Europe: OFZ**
D. Gryshan, *OFZ, Slovakia*

THURSDAY 27 August 2020

Session 4

Session Chair: J.D. Steenkamp, *Mintek, South Africa*

- 09:00–13:00 **Introduction to the PreMa project and SAF-smelting fundamentals**
M. Tangstad¹, D. Sukhomlinov¹, and E. Ringdalen², ¹Norwegian University of Science and Technology and ²SINTEF, Norway

FRIDAY 28 AUGUST 2020

Session 5

Session Chair: E. Ringdalen, *SINTEF, Norway*

- 09:00–13:00 **Simulation based mass and energy balance, exergy, and LCA footprinting of systems: Case FeMnPreMa**
M. Reuter¹ and T. Kazdal², ¹Helmholtz Institute Freiberg for Resource Technology and ²Technische Universität Darmstadt, Germany