

5TH SCHOOL ON MANGANESE FERROALLOY PRODUCTION

THEME: DECARBONIZATION OF THE MANGANESE FERROALLOY INDUSTRY

4 JULY 2024

Venue: Online



Final Programme

Thursday, 4 July 2024

- 09:30–10:00 **Zoom Platform Opens and Login**
- 10:00–10:10 **Welcome and Opening Address**
S. Bambalaza, *School Chairperson*
- 10:10–10:15 **Zoom Logistics**
SAIMM
- 10:15–10:30 **SAIMM Presidential Address**
W.C. Joughin, *SAIMM President*

Session 1: Mn ferroalloy production - Industrial applications towards decarbonisation

Session Chair: S. Bambalaza, *Mintek*

- 10:30–11:15 **Keynote Presentation: Demonstration of a new sustainable circular process for the production of manganese alloys**
M. Wallin, *HAlMan Project, Norway*
- 11:15–11:30 **Mid-Morning Refreshments**

Session 1 (continued)

Session Chair: Q.G. Reynolds, *Mintek*

- 11:30–12:15 **Overview of decarbonisation opportunities and adaptation of manganese ferroalloys industry in South Africa**
M. Cele, *Assmang Manganese Cato Ridge Works Ltd, South Africa*

- 12:15–13:00 **Decarbonisation Perspectives at Transalloys**
K. Sutherland, *Transalloys, South Africa*

13:00 – 13:30 **Lunch**

Session 2: Fundamental principles applicable towards decarbonisation of Mn ferroalloy production

Session Chair: S. Moholwa, *Mintek*

- 13:30–14:15 **Keynote Presentation: Outlook for cathode trends and impact on manganese**
T.G. Schultz, *Project Blue, South Africa*
- 14:15–15:00 **Preparation of an eco-friendly metallurgical coke alternative from waste plastic and discard coal: application in ferroalloy production**
S. Bambalaza, *Mintek, South Africa*
- 15:00–15:45 **Considering global competitiveness and industrial policy in the context of decarbonizing manganese ferroalloy production**
W. Bam, *University of British Columbia, Canada*
- 15:45 **Close**