

# FURNACE TAPPING 2018 CONFERENCE

## Abstracts received

### **Non-water based metal taphole cooling – a safer alternative**

M.W. Kennedy, A. MacRae, P. Nos, and F. Olesen, *Switzerland*

### **Development, installation and operation of a full-copper, deep-cooled slag tap block for a six in-line copper slag cleaning electric furnace**

B. Belford, *South Africa*

### **Predicting the thermal response of tap block cooling systems using three-dimensional, conjugate heat transfer simulators, and use of the simulators together with statistical tools to provide real-time diagnostics of tap block performance**

T. Plikas, *Canada*

### **Thermal assessment and identification of wear zones in blast furnace tapholes**

H. Ghorbani and K. Chomyn, *Canada*

### **Reduction of metal loss to slag by help of mathematical modelling**

S.T. Johansen and E. Ringdalen, *Norway*

### **Slag in Si and FeSi Production**

M.B. Folstad, *Norway*

### **Tapping for metallurgical Silicon process – a brief comparison between continuous and discontinuous tapping**

V.D. de Oliveira, L. Biazutti, R.S. Faria, and G. Esteves, *Germany, Brazil, Uruguay*

### **Material zones in SiMn-Furnace and their effect on tapping-Results from an excavation at Glencore Manganese Norway**

E. Ringdalen, M. Ksiazek, and H. Strümpfer, *Norway*

### **Material characterization found around the tap hole - results from industrial Si-furnace excavation**

M. Ksiazek, E. Ringdalen, and M. Tangstad, *Norway*

### **Phase effects in taphole flow – a computational modelling study**

Q.G. Reynolds, J.E. Olsen, M.W. Erwee, and O.F. Oxtoby, *South Africa and Norway*

### **Wear analysis of tap-holes at two ferro chromium production furnaces**

J.D. Steenkamp, *South Africa*

### **Tap hole maintenance at Eramet Norway Porsgrunn**

J. Davidsen and M. Honstad, *Norway*

### **Development of a viable non hazardous tap hole clay**

A. De Pretto and M. Nilsen, *South Africa*

### **Temperature field at taphole in manganese furnace – a computational modelling study**

J.E. Olsen, Q.G. Reynolds, and M.W. Erwee, *Norway*

### **Improvements to the Anglo converting process (ACP) tapblock management**

A. Hoosen, M. Sichone, and I. Rambiyana, *South Africa*

### **Numerical simulation an indispensable tool for the refractory tap hole design procedure**

D. Kreuzer, U. Marschal, C. Wagner, and O. Kuhnke, *Austria*

### **The benefits of including the Tap-hole in a data driven asset management system**

S. Faux, B. Kargutkar, C. Walker, F. Stober, R. Veenstra, S. Southall, and M. Darini, *Canada*

### **Lancing – Design and composition of productive and safe equipment**

V. Hornung, *Germany*

### **Tapping practice continuous improvement at Western Platinum Smelter**

R. Coetzee and W.S.B. van Beek, *South Africa*

### **Conarc tapping at ArcelorMittal Saldanha Works**

S. Langa and L. du Preez, *South Africa*

### **Tap-hole clays that maximize furnace performance and protects workers**

P. Sylvén and J. Zimmermann, *Sweden*

### **Lancing – properties and hazards of oxygen O<sub>2</sub>**

K.P. Rohlssen, *South Africa*

### **Tap-hole opening: Advances and improvements**

D. Morales and C. Morales, *Chile*

### **More health friendly materials for the taping area**

L. Lindstad, *Norway*

### **Improvements in FeNi Taphole Performance at Koniambo Nickel SAS**

R. Beaulieu, R. Berryman, L. Lecren, and I. Nolet