

**THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY  
JOHANNESBURG 2014**

# **Pyrometallurgical Modelling 2014**

## **Principles and Practices**

**4–5 August 2014**

**Emperors Palace Hotel Casino Convention Resort  
Johannesburg**

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# FOREWORD

Southern Africa is rich in minerals ...

Pyrometallurgical processing is a crucial part of the extraction of metals from minerals ...

Rapid advancements are being made in modelling software and computing hardware ...

Knowledge of pyrometallurgical phenomena is increasing ...

Combine these factors and you will know why the SAIMM is hosting this Pyrometallurgical Modelling Conference.

Pyrometallurgical processes are very exciting but sometimes very challenging to model. Rapid advances in modelling software and computing hardware allow more opportunities to take advantage of modelling – the impossibilities of yesterday are routine today.

Modelling pyrometallurgical processes add value to industry, from process inception through research and design to process optimization and control. The value-in-use of raw materials is determined by combining pyrometallurgical and financial models.

People in industry who are not involved in modelling from day to day tend to get 'rusty' in the basics but very often long for an opportunity to refresh their knowledge. Professor Chris Pistorius and Dr Johan Zietsman have put together a workshop programme to bring you up to speed.

Thank you to all our speakers for the time and effort you have put into the preparation of your papers and presentations. A special word of appreciation to Professor Chris Pistorius, all the way from CMU in the USA, and Dr Johan Zietsman from UP, for the workshop, preparing for an excellent programme like this takes up a lot of time. Thanks also to Rodney Jones for the opening address and Professor Chris Pistorius for the keynote. A last word of thanks to the organizing committee and the support team from the SAIMM, it was a privilege working with you.

I know you will find the conference stimulating and that you will enjoy the workshop. Use the opportunity to network and exchange ideas with your peers!

It is a great pleasure to welcome you to the Pyrometallurgical Modelling Conference, Principles and Practices, 2014, hosted by the SAIMM.



**K. Vreugdenburg**  
*Chairman, Organizing Committee*

# **Pyrometallurgical Modelling 2014**

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