



BM
BASE METALS
2023

**COPPER
COBALT
AFRICA**

IN ASSOCIATION WITH
THE 10TH SOUTHERN AFRICAN
BASE METALS CONFERENCE

12-16 JUNE 2023

AVANI VICTORIA FALLS RESORT,
LIVINGSTONE, ZAMBIA



Short Course

HYDROMETALLURGICAL PROCESSING OF COBALT

Monday 12 June 2023

Course description

The worldwide focus on energy minerals and the ongoing development of the green energy sector continues to drive the market for cobalt. Almost half the world's cobalt is contained in the African Copper Belt, where it is associated with copper. This differs from deposits in the rest of the world, where it is often associated with nickel.

Hydrometallurgy plays a major role in cobalt recovery, including leaching, precipitation, solvent extraction, and ion exchange. Increasingly complex flowsheets are required to improve efficiencies, decrease operating costs, and purify the product.

These topics form the basis of a one-day short course, which is revised and updated from the course that was run in 2018. Each topic is presented by a world-renowned expert in the field. The course is accredited by the Engineering Council of South Africa (ECSA) for one Continuing Professional Development (CPD) point.



Programme

Presenter	Company	Topic
John Parker	Process Ideas	Geology of Copper Belt cobalt deposits and overview of generic flowsheets
Nick Dempers	Senet	Leaching of cobalt from Copper Belt deposits
Wezi Banda	Eurasian Resources Group (ERG) - Africa	Primary impurity removal (Fe, Al, Mn) from leach liquors by precipitation
Owen Tinkler	Solvay	Solvent extraction purification of leach liquors
Johanna van Deventer	Purolite	Ion exchange purification of leach liquors
Patient Ilunga	Kamoto Copper Company	Cobalt recovery by precipitation and selection of precipitation agent
Dave Rogans	PPTech	Cobalt recovery by crystallization as cobalt sulfate
Kathy Sole	Sole Consulting	Cobalt recovery by electrowinning and hydrogen reduction
Nicholas du Preez	CM Solutions	Factors influencing choice of product and flowsheet economics

Registration is available at <https://www.saimm.co.za>. or [Click here to register](#)

For further information, see:

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