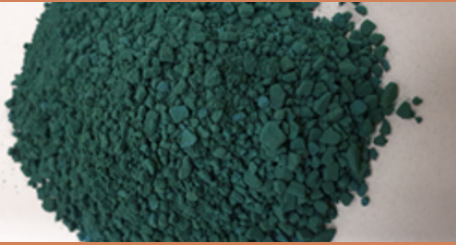


Short Course

HYDROMETALLURGICAL PROCESSING OF COBALT

Wednesday 11 October 2023

Register Now



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 was first run in 2018. It has since been revised and updated, and was presented again at the Copper Cobalt Africa conference in June 2023. Due to popularity it will be run again as an online course. Each topic is presented by a world-renowned expert in the field, and the course will be accredited by the Engineering Council of South Africa (ECSA) for one Continuing Professional Development (CPD) point.

Programme

Time	Presenter	Company	Topic
08:00 -08:20			Registration
08:20-08:30			Welcome
08:30-09:10	John Parker	Process Ideas	Geology of Copper Belt cobalt deposits and overview of generic flowsheets
09:10-09:50	Nicholas du Preez	CM Solutions	Factors influencing choice of product and flowsheet economics
09:50-10:30	Nick Dempers	Prodeo Consulting	Leaching of cobalt from Copper Belt deposits
10:30-11:45			Tea Break
11:45-11:25	Wezi Banda	Eurasian Resources Group (ERG) - Africa	Primary impurity removal (Fe, Al, Mn) from leach liquors by precipitation
11:25-12:05	Johanna van Deventer	Purolite	Ion exchange purification of leach liquors
12:05-12:35			Lunch Break
12:35-13:15	Dave Rogans	PPTech	Cobalt recovery by crystallization as cobalt sulfate
13:15-13:55	Patient Ilunga	Kamoto Copper Company	Cobalt recovery by precipitation and selection of precipitation agent
13:55-14:10			Tea Break
14:10-14:50	Kathy Sole	Sole Consulting	Cobalt recovery by electrowinning
14:50-15:30	Owen Tinkler	Solvay	Solvent extraction purification of leach liquors

FOR FURTHER INFORMATION, CONTACT:

Camielah Jardine,
Head of Conferencing

E-mail: camielah@saimm.co.za
Tel: +27 11 538-0238 | Web: www.saimm.co.za