THE SELECTION AND DESIGN OF MILL LINERS

Professor Malcolm Powell

1 day course

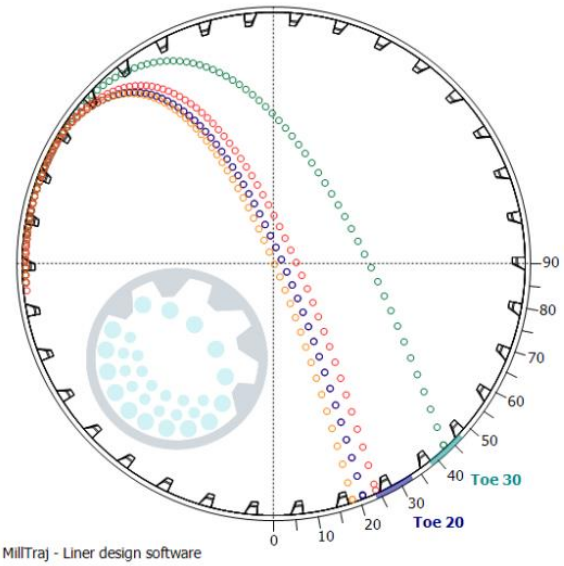
In conjunction with IMEC14

San Luis Potosi, Mexico, 21 September 2014

Based on 30 years of experience in research and consulting in mill liners, Prof Powell will present insights into the basis of selection of mill liners for SAG and ball mills.







MillTraj - Liner design software

Liner Design Services

Date : 17 December 2013
Telephone No. : 07 3720 2989
Email : admin@milltraj.com

Client Data
Customer Name : client
Mill Type : SAG

Mill Data
Mill Diameter : 10.000m
Mill Length : 6.002m
No. Of Rows : 34
Mill Fillings : 20%, 30%
Media Diameter : 125mm

Lifter Specification
Units mm & % crit, Angle from face

	Width	Height	Lift Height	Front Angle	Rear Angle	H2A	S/H Ratio Calc	S/H Ratio Ideal	Speed	Plate
○	250	250	250	30	0	0	2.91	3.10	68.0	100
○	250	250	250	25	0	0	2.86	3.77	74.0	100
○	250	150	150	35	0	0	4.72	3.77	74.0	100
○	250	250	250	30	0	0	2.91	3.10	68.0	100
○	250	175	175	30	0	0	4.03	3.10	68.0	100

Understand Function	Measure wear	Manage performance	Reduce costs	Increase productivity

Suited to mill superintendents, metallurgists, liner suppliers, plant managers

The course will cover:

- The function of liners – balancing life, cost and mill performance
- How liners affect energy transmission in mills
- Liner wear measurement
- Using rock/ball trajectory analysis to assist in liner selection
- Liner design for mill performance
- Accounting for liner mass loss in mill control
- Group exercises in liner design using MillTraj software

Time: 9am to 5pm Sunday 21st September

Venue: Hotel Panorama

Cost: USD 600 per attendee

USD 500 for each extra attendee from the same company

Covers morning and afternoon breaks and lunch

Printed notes handed out to all attendees

Language

The course will be presented in English.

If there is sufficient need, then Spanish translation will be supplied.

If there are insufficient attendees requiring translation, then you can be refunded if you do require it

Registration

Download registration form at www.milltraj.com/workshop

Registration to be received no later than **14 September**

Enquiries: Fran Powell fran@milltraj.com