Mill Grinding

October 25-26, 2021

Monday, October 25

8:00	***WELCOME***
8:05	Introduction
10:00	**BREAK**
10:15	Size Reduction Methods
12:15	**LUNCH**
1:00	Separator Principles
2:45	**BREAK**
3:00	Separator Types & Impacts
4:30	***EVALUATION***

Tuesday, October 26

8:00	Ball Mills
9:45	**BREAK**
10:00	Ball Charge, Ventilation and Production
11:45	**LUNCH**
12:30	Heat & Mass Balances
2:15	**BREAK**
2:30	Routine Process Analysis & Misc
4:30	***EVALUATION & ADJOURN***

Course Content

- Raw grinding and finish milling circuits and evaluation of their efficiencies,
- Equipment description and nomenclature,
- Comminution theory,
- Cement grinding efficiency,
- Operational considerations,
- Material handling systems,
- Classifiers and separators,
- Techniques for evaluating separators,
- Practical operational scenarios to optimize grinding circuits,
- Methods for measuring particle size distributions,
- Grinding media,
- Mill venting, and dust collection,
- Gypsum and inorganic processing addition,
- Gypsum dehydration,
- Anhydrite handling concerns,
- Water spray
- Grinding aid addition and impacts.