

## **HEAP LEACHING & ITS APPLICATION TO COPPER, URANIUM & NICKEL ORES SHORT COURSE OUTLINE**

- Introduction
- Basics
- Alternative Process Flowsheets
- Layout
- Pad Design
- Liner Selection
- Ore Transport & Heap Building Methods
- Solution Management
- Operation and control
- Cold and Wet Climate Operation
- Remining of Partially Leached Heaps
- Application to Copper Ores
- Role of Bacteria in Treatment of Sulphide Ores
- Alternative Ferrous Re-Oxidizing Methods
- Typical Copper Heap Leach Design Criteria
- Application to Gold Ores
- Application to Uranium Ores
- Application to Nickel Ores
- Testwork & Scale-Up
- Industry Trends