

Session 1: Processing of arsenic-containing ores: flotation, leaching, and waste stabilization

Organizer: Wenying Liu

Date: Thursday September 17, 2020

Registration: [Register Here](#) by September 15

Outline: Operations face increasing challenges of unlocking value in arsenic-bearing copper and gold deposits and responsible disposal of arsenic-containing waste. This short course is designed to help you understand the behavior of arsenic-bearing minerals and the fate of arsenic across all stages of production, from mineral separation, to metal extraction, to ultimate safe disposal. The course will cover: (1) Froth flotation for selective separation of arsenic-bearing minerals; (2) Arsenic removal in hydrometallurgical processing of arsenic-rich copper and gold concentrates/ores; (3) The long-term stability of calcium arsenate, ferric arsenate/scorodite, and arsenic trisulfide in the environment.

Agenda:

Topic	Time	Instructor
Flotation of arsenic-containing ores	8:30 - 9:15 AM	Marek Pawlik
Leaching of arsenic-containing concentrates/ores	9:30 - 10:15 AM	David Dreisinger
Disposal and environmental stabilization	10:30 - 11:15 AM	Wenying Liu