

## **Wilson Pascheto: FAILURE PREVENTION OF HYDROMETALLURGICAL PLANT EQUIPMENT**

The hydrometallurgy industry has experienced equipment failures which have caused significant losses to plant Owners, in many cases amounting to millions of dollars. Many of these failures could have been prevented by proper application of engineering best practices. Therefore, significant opportunities exist in the Mining Industry to improve the execution of capital projects, increase on-line time, minimize the occurrence of unplanned maintenance due to equipment failures, and all with positive contribution to health and safety. This course will discuss best practices during capital project execution, from pilot plant testing, material selection and quality assurance activities during procurement, fabrication and construction. Case histories of major equipment failures and their causes will be presented as well as how they could have been prevented by application of best engineering practices.