

Pre-Conference Workshop : Performance Testing in Practice: From Test Planning to Asset Monitoring \$85.00 + HST

This pre-conference training course provides owners, operators, and engineers with a practical overview of hydroelectric performance measurement and how it can be applied throughout the asset lifecycle. Participants will learn how unit performance is quantified, selected and recognized per test codes.

Detailed Overview

Performance Testing in Practice: From Test Planning to Asset Monitoring

This pre-conference training course provides owners, operators, and engineers with a practical overview of hydroelectric performance measurement and how it can be applied throughout the asset lifecycle. Participants will learn how unit performance is quantified, selected and recognized per test codes.

The course will explore how performance measurement supports a broad range of applications, including contractual guarantee verification, development and validation of operating tables, assessment of equipment condition, capital planning, and long-term asset management. Participants will be guided through the performance-testing lifecycle—from defining objectives, measurement requirements, deliverables, and uncertainty expectations to procuring a test provider, developing and reviewing procedures, executing and witnessing the measurements, interpreting results, and identifying future opportunities.

The session concludes with an introduction to performance monitoring and how routinely collected from normal operational data can extend performance measurement beyond a single test. Participants will learn how performance trends can be measured and analyzed to identify deterioration, evaluate maintenance outcomes, improve operating decisions, and provide technical support for rehabilitation and capital investment decisions

Agenda

1. Introductions/Overview
2. What is performance measurement/testing (30 mins)
3. Benefits/applications (45 mins)
4. Performance Testing Lifecycle (60 mins)
5. Performance Monitoring (15 mins)

Speakers.

- Daniel Giesbrecht, M.Sc., P.Eng.
 - Senior Mechanical Engineer
- Albert Mikhail
 - Senior Mechanical Engineer