First Circular
International Short Course on

Design and Assessment of Mine Waste Structures
(Tailings Dams and Rock Dumps)

Design, Construction, Operation, Monitoring, Evaluation and Safety of Facilities

May 2-7, 2019
Edmonton, Alberta

Department of Civil and Environmental Engineering
University of Alberta
Date: May 2-7, 2019

5 Days Comprised of:
(40 hours of lecture and 3 tutorials)

LECTURERS:

- Norbert Morgenstern
- Tim Eaton
- Andy Robertson
- Dirk Van Zyl
- G. Ward Wilson

Plus many more distinguished lecturers

TOPICS:

- Characterization of Ore and Rock
- Engineering Properties of Tailings and Waste Rock
- Geochemical Characteristics
- Surface Tailings Disposal
- Waste Rock Impoundments
- Hydrology and Groundwater
- Surface Impoundments Siting, Challenges and Case Studies
- Conventional Tailings Embankment Design
- Oil Sands Tailings, Dam Design and Construction
- Failure Mechanisms and Case Studies
- Seepage Analysis and Saturated/Unsaturated Flow
- Stability Analysis of Tailings Impoundment
- Settlement and Deformation Analysis
- Seismicity and Dynamic Analysis
- In-situ Characterization, Testing and Monitoring
- Water Balance and Control in Surface Impoundments
- Mine Waste Management in the Arctic
- Compliance Regulations, Current and Emerging Practice
- Dam Safety and Inspection
- Covers and Closure
- Future Directions – Where are we going now?
### Registration Form

**Course Information**

**Design and Assessment of Mine Waste Structures**

May 2-7, 2019 in Edmonton, Alberta

**Fee:**
- (before March 22, 2019): $1,850.00 + GST (CA)
- (after March 22, 2019): $2,350.00 + GST (CA)

* Please email completed registration to: sally.petaske@ualberta.ca

### Registration Information:

- **Name:** ____________________________
- **Title/Company:** _________________________
- **Address:** _____________________________
- **City/Prov./Postal Code:** _________________________
- **Telephone:** ____________________________
- **E-Mail:** ______________________________
- **Credit Card Number:** ____________________________
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- **Expiry Date:** __________  **CSV Code:** ___________________