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 3-8, 2018
Donadeo Innovation Centre for Engineering
9211 116 St NW
Edmonton, AB T6G 1H9

Department of Civil and Environmental Engineering
University of Alberta
Date: May 3-8, 2018

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

**LECTURERS:**
- Norbert Morgenstern
- Tim Eaton
- Andy Robertson
- Dirk Van Zyl
- Bryan Watts
- 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?
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### Design and Assessment of Mine Waste Structures
May 3 – 8, 2018 in Edmonton, Alberta

**Fee:**  
(before March 26, 2018): $1,750.00 + GST (CA)  
(after March 26, 2018): $2,250.00 + GST (CA)

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

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Name: ________________________________________________________
Title/Company: ________________________________________________
Address: _____________________________________________________
City/Prov./Postal Code: _________________________________________
Telephone: _________________________________
E-Mail: ________________________________________________
Credit Card Number ____________________________________________
Name of Cardholder ___________________________________________
Billing Address: ______________________________________________
Expiration Date __________________ CSV Code: ____________________