

OCT 4 – 6, 2015 • Queens University • Kingston, ON Canada

Challenges and Innovations in Tunnelling

Workshop Opening Remarks

Steve Skelhorn

Workshop Chairman – TAC VP East

October 5, 2015

Tunnelling Association of Canada
Association Canadienne Des Tunnels



Endorsements



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National Director

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Workshop Chairman - TAC VP East

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ANDRE SOLECKI

Workshop Coordinator

SEAMUS TYNAN

TAC Director

OCT
4

Day 1 Evening TAC Social Ice Breaker

The Merchant Tap House - 6 Princess St., Kingston, ON

7:00 p.m. - 9:00 p.m.

OCT
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Day 2 Grant Hall - Queen's University

7:30 a.m. - 8:30 a.m. Registration & Refreshments

8:30 a.m. - 8:45 a.m. Opening Remarks - Steve Skelhorn, Workshop Chairman

8:45 a.m. - 9:30 a.m. Soft Ground Site Investigation & Managing Geotechnical Risks in Tunnelling
Masoud Manzari, Thurber Engineering Ltd.

9:30 a.m. - 10:15 a.m. Site Investigation, Ground Behaviour Prediction and Risk Assessment
of Deep Hard Rock Tunnels - Mark Diederichs, Queens University

10:15 a.m. - 11:00 a.m. **BREAK**

11:00 a.m. - 11:30 a.m. TBM Technologies and Advancements with focus on Variable Density TBM Design
Shawn Hourtoenko, Herrenknecht Tunnelling Systems Canada Inc.

11:30 a.m. - 12:00 p.m. Hyperbaric Interventions & Challenges - Scott Black, ASI

12:00 p.m. - 1:00 p.m. **LUNCH**

1:00 p.m. - 1:45 p.m. Microtunnelling Advances in North America - Marc Gelinas, Hatch Mott MacDonald and
John Grennan, Ward & Burke

1:45 p.m. - 2:15 p.m. Advancement of Trenchless Technology - Mark Knight

2:15 p.m. - 2:45 p.m. Ottawa LRT Tunnel Construction Update - Humberto Ferrer and Tom Middlebrook, Dragados

2:45 p.m. - 3:00 p.m. **BREAK**

3:00 p.m. - 3:15 p.m. Data Management for Tunnel Modelling

Josephine Morgenroth, University of British Columbia

3:15 p.m. - 3:30 p.m. Tunnelling Instrumentation - Nicholas Vlachopoulos, Royal Military College of Canada

3:30 p.m. - 4:00 p.m. Eglinton Crosstown LRT: Project Challenges and Contractor Innovations

Paul Cott and Andrew Caruana, Obayashi Canada

4:30 p.m. - 6:00 p.m. TAC Annual General Meeting - University Club @ Queen's - 168 Stuart Street, Kingston, ON

4:30 p.m. - 6:00 p.m. Pre - Awards Dinner Cocktails and Appetizers, University Club @ Queen's

6:15 p.m. - 10:00 p.m. TAC National Awards Dinner - Grant Hall, Queen's University

OCT
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Day 3 Grant Hall - Queen's University

8:00 a.m. - 10:00 a.m. Refreshments

Tunnelling Education in Canada - Mark Diederichs, Nicholas Vlachopoulos,
Gary Kramer and Erik Eberhardt

TAC Initiatives Locally and Internationally - Nichole Boulton and Erik Eberhardt

10:00 a.m. - 2:00 p.m. Tour and Site Visit of Historic Brockville Tunnel (Limited Space)

NOTE: For those not attending the Brockville Tunnel Tour; a Tour of Queens Geotechnical Department and Facilities
will be hosted at 10:00 a.m. - 11:00 a.m.

2015 Workshop & Annual Awards Dinner

Challenges and Innovations in Tunnelling

PPE will be supplied for Brockville Tunnel site visit.
Intrinsically safe flash lights for tour, kindly donated by:
Smith & Long

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