

# 55TH ENGINEERING SYMPOSIUM 2026

## Transforming Terrain: Engineering Solutions from Mine to Metropolis



**FRIDAY, APRIL 17, 2026**



**Professional Engineers  
Ontario**

Best Western Hotel and  
Conference Centre  
North Bay, ON



# 55TH ENGINEERING SYMPOSIUM

## TRANSFORMING TERRAIN: ENGINEERING SOLUTIONS FROM MINE TO METROPOLIS

### MORNING

*Registration/Coffee & snacks/Meet & greet 8:00am - 8:45am*

*Opening Remarks: Bobby Doroudiani, P.Eng. 8:45am - 8:55am*

*Moderator: Amna Tariq, Engineering Student*



### **DAVID SOROKOVSKY, AMPP, QUANTUM INDUSTRIAL SOLUTIONS**

*Structural Rehabilitation of Deteriorated Culverts and Pipelines Using Spray-Applied Liners and Robotic Application Methods*

This presentation focuses on spray-applied structural lining systems and the use of robotics for inspection, surface preparation, and application of high-performance linings such as SprayWall.



### **BILL STEER, CANADIAN ECOLOGY CENTRE**

*Samuel de Champlain Provincial Park and Canadian Ecology Centre Revitalization*

The Perfect Storm. The impactful story of how the Canadian Ecology Centre and Samuel de Champlain Provincial Park was drastically affected by the EF-2 (Enhanced Fujita) storm of June 21, 2025. The anatomy of the environmental damage and cleanup to date, and the lasting effects.



### **MAARTEN van KOPPEN, MSc, P.ENG., MBA MACLEAN ENGINEERING**

*Introduction to MacLean; who we are, what we do and our plans for the new North Bay plant*

Last October MacLean acquired a 95,000 sqft (8816 m<sup>2</sup>) facility in North Bay as part of our investment in growth, and we could not be more excited to plant roots in the city that is the gateway to the North! This presentation will introduce MacLean and the products that we make for customers across the globe, walk through some of the work we have completed in the facility since the acquisition and outline what we plan to do with this new plant.

### LUNCH

*Host: Dave Boogaart, P.Eng.*

*11:30am - 1:30pm*

### **DIGNITARY REMARKS AND CERTIFICATE PRESENTATIONS**

Greg Wowchuk, P.Eng., PEO Past President

Hon. Pauline Rochefort, MP

Stephanie Pesheau, C.E.T, OACETT President-Elect

Hon. Victor Fedeli, MPP

Ray Mantha, P.Eng., OSPE Director

Peter Chirico, Mayor

Philip Rizcallah, P.Eng., Engineers Canada CEO

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**AFTERNOON**

*Moderator: Mohammed Iqbal , Engineering Graduate*  
*Closing Remarks: Bobby Doroudiani, P. Eng.*



### **CHAD EVANS, MBA, ONTARIO NORTHLAND**

*The New Era of Ontario Northland: Agency Renewal, Manufacturing Growth and Passenger Rail*

This presentation will showcase recent milestones at Ontario Northland, delve into some technical initiatives, and outline the plans driving the agency's future direction.



### **BOBBY DOROUDIANI, P.ENG., AGNICO EAGLE**

*Long Term Mine Closures*

An approach to mine closure, prioritizing minimizing maintenance cost through in situ treatment.



### **ALLAN COUSINS, MSc, P.ENG., CANADORE COLLEGE/ENABLE INC. AND KEVIN COUSINS, P.ENG., ENABLE INC.**

*Active Jacking of Occupied Highrise Buildings*

As Ontario's building stock ages, localized repairs often fail to resolve deep-seated chloride contamination. In these cases, full structural replacement is frequently the only viable path to long-term serviceability. This presentation dives into the advanced execution of active load-transfer systems used to facilitate column replacement in occupied structures. A key focus will be the integration of custom-built data acquisition systems that provide real-time feedback during the jacking and demolition processes - transforming a high-risk operation into a controlled procedure guided by data.



**UPCOMING EVENTS**

**Golf Tournament** - August 13, 2026, Osprey Links Golf Club

**Engineering Student Night** - November TBD, 2026, Davedi Club

For details on any PEO chapter event email [northbaychapterpeoevents@gmail.com](mailto:northbaychapterpeoevents@gmail.com) or visit <https://www.peo.on.ca/chapters/northbay>

For details on any OACETT chapter events email [nearnorth-chapter@oacett.org](mailto:nearnorth-chapter@oacett.org)

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## TRANSFORMING TERRAIN: ENGINEERING SOLUTIONS FROM MINE TO METROPOLIS

### NORTH BAY AREA PEO CHAPTER EXECUTIVE

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Esma Egab, P.Eng.  
Blake Baek, P.Eng.  
Justin Wagenaar, P.Eng.  
Meet Patel, EIT

### NEAR NORTH OACETT CHAPTER EXECUTIVE

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### ENGINEERING SYMPOSIUM ORGANIZING COMMITTEE

Bobby Doroudiani, P.Eng. (Chair)  
Justin Wagenaar, P.Eng.  
Donovan Rainbow, P.Eng.

Dave Boogaart, P.Eng.  
Lindsay Keats, P.Eng.  
Mitch Jerome, C.Tech.

### HAVE QUESTIONS OR SOME FEED BACK FOR US?

Questions for  
our presenters?

Join us at Slido.com  
#1496573



We would love  
your feedback!

Your responses help us improve  
and plan future events



For additional information, please go to  
[www.northbay.peo.on.ca](http://www.northbay.peo.on.ca) or [www.oacett.org](http://www.oacett.org)

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