

Program - Colloquium - November 17, 2023 - Concordia University

Moderator: Jean-François Belleau, Coordinator of CEISCE

8 h 00 – 9 h 00 : Reception and set-up of posters (EV Building Atrium)

Coffee and pastries.

9 h 00 – 9 h 15 : Welcoming remarks (Room EV 2.260 – 2nd floor of EV Building)

Prof. Najib Bouaanani, Director of CEISCE.

9 h 15 – 10 h 30 : Presentations by CEISCE members (Room EV 2.260 – 2nd floor of EV Building)

- **Dakour M., Tirca L., and Stathopoulos T.** Concordia University – *Wind Hazard on Earthquake-damaged Steel Buildings.*
- **José De Almeida Torres R., Segura R. L., and Paultre P.** Université de Sherbrooke – *Transforming pseudostatic sliding factor of safety into sliding displacement: a machine learning based polynomial function.*
- **Davis L., and Malomo D.** McGill University – *Diagonal compression tests on old masonry walls extracted from demolition.*
- **Al-Ahdal A., AbdelRahman B., and Galal K.** Concordia University – *Lateral cyclic performance of partially grouted reinforced masonry shear walls with boundary elements.*

10 h 30 – 11 h : Break and posters session (EV Building Atrium)

Coffee break and exhibition of posters by CEISCE members.

11 h – 12 h : Keynote presentation – Invited speaker (Room EV 2.260 – 2nd floor of EV Building)

Building performance in the February 2023 Türkiye earthquake sequence: lessons learned and research needs - presented by **Prof. Svetlana Brzev, Ph.D., P.Eng.**

Prof. Svetlana Brzev, Adjunct Professor at the Department of Civil Engineering, University of British Columbia (UBC), will share the observations related to performance of residential buildings, hospitals, and schools, which she and her teammates from UBC and a few other organizations from Canada, Italy, Serbia, and Türkiye collected during their visit to central Türkiye after the two major earthquakes (magnitudes 7.8 and 7.7) that occurred on the same day (February 6, 2023). The lecture will be mostly focused on reinforced concrete structures, since they were most extensively affected by these earthquakes. There are many relevant lessons for researchers and practicing engineers, both positive and negative, which will be also discussed during the lecture. Research needs, inspired by the observed building performance, will be also discussed.

12 h – 13 h 15 : Lunch and posters session (EV Building Atrium)

Lunch and exhibition of posters by CEISCE members.

13 h 15 – 14 h 30 : Presentations by CEISCE members (Room EV 2.260 – 2nd floor of EV Building)

- **Dufort S., Yniesta S., and Bichai F.** Polytechnique Montréal – *Vulnérabilité sismique des conduites d'eau potable dans la région du Grand Montréal.*
- **Tanguay X., and Amor B.** Université de Sherbrooke – *Développement d'un cadre méthodologique pour évaluer les pertes environnementales des bâtiments en contexte d'analyse à la performance.*
- **Abedini F., and Xie Y.** McGill University – *Seismic Fragility Assessment of Tunnels in Eastern Canada.*
- **Trimech M., Annan C.-D., Walbridge S., and Fafard M.** Université Laval – *Structural vulnerability to fatigue of friction stir welded joints in aluminum bridge decks.*

14 h 30 – 15 h 00 : Break and posters session (EV Building Atrium)

Coffee break and exhibition of posters by CEISCE members.

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15 h 00 – 16 h 00 : Presentations by CEISCE members (Room EV 2.260 – 2nd floor of EV Building)

- **Kouhdasti R., and Bouaanani N.** Polytechnique Montréal – *Innovative Shake Table Testing for Seismic Response of Water-Structure Systems.*
- **Leroux M., Langlois S., and Ture Savadkoohi A.** Université de Sherbrooke – *Une étude analytique pour le contrôle passif non-linéaire du galop sur les lignes aériennes de transport d'énergie.*
- **Cheshmehkaboodi N., Guizani L., and Ghlamallah N.** École de Technologie Supérieure – *Seismic Behaviour of Isolated Bridges with Soil-Structure- Interaction Effect under Near-Fault and Far-Field Earthquakes.*

16 h 00 – 16 h 30 : Break and voting period (EV Building Atrium)

Coffee break and voting period for best presentations and posters.

16 h 30 – 17 h 00 : Awards and closing ceremony (Room EV 2.260 – 2nd floor of EV Building)

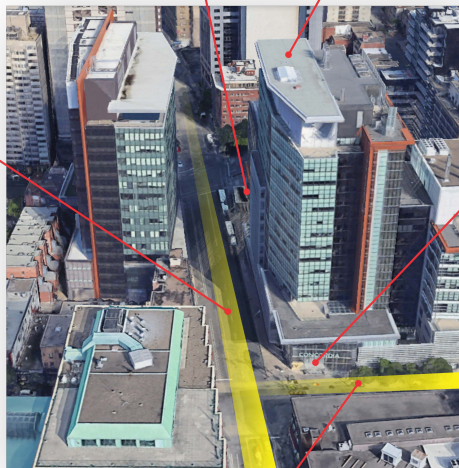
Awards for best presentations and posters, and closing remarks by Prof. Najib Bouaanani, Director of CEISCE.

Access - Colloquium - November 17, 2023 - Concordia University

Guy-Concordia Metro

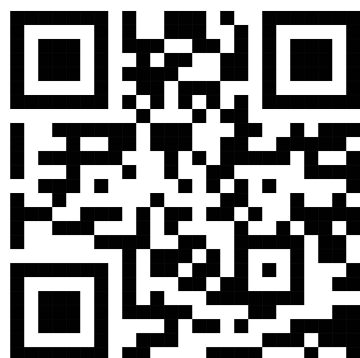
EV Building

Guy Street



Sainte-Catherine Street

Main entrance



Posters exhibition area (EV Atrium)

Welcoming desk (EV Atrium)

Main entrance (Sainte-Catherine Street)

Room EV 2.260 (2nd floor)

Stairs to 2nd floor

Lunch (EV Atrium)

EV Building Atrium