

# AMERICAN CONCRETE INSTITUTE



ACI-Quebec and Eastern Ontario Chapter

## Program

# Progress in concrete 2014

Hôtel Classique  
2815, Laurier boulevard  
Quebec, Qc. G1V 4H3

## LIST OF SPONSORS

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Systèmes BMH Inc.  
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December 2<sup>nd</sup> and 3<sup>rd</sup>, 2014

**TUESDAY DECEMBER 2<sup>nd</sup>, 2014**

**8h00**

Registration, Coffee and Croissants

**8h30**

**Introduction - President's Welcome**

Guillaume Lemieux  
Cement Association of Canada

**MORNING SESSION CHAIRMAN**

**Charles Abesque  
ACRGTQ**

**8h45**

**Smog-eating concrete for better cities**

Laurent Barcelo, Lafarge

**9h15**

**Development of Ecological SCC: Design Method, Properties, and Performance**

Behrouz Esmaeilkhanian,  
Sherbrooke University (2013 ACI scholarship)

**9h45**

**Enhancing concrete durability with new admixtures**

Charles Nmai, BASF

**10h15**

Coffee Break

**10h45**

**Designing a bridge for 100 years life: integrating durability and structural design**

Anne-Marie Langlois, Buckland & Taylor

**11h15**

**Continuously reinforced concrete slabs, 15 years of experience at MTQ**

Denis Thébeau, MTQ

**11h45**

Open Bar /Cash Bar

**12h15 à 13h45**

Lunch

**TUESDAY DECEMBER 2<sup>nd</sup>, 2014**

**AFTERNOON SESSION CHAIRMAN**

**Frédéric Gagnon  
Expert-Conseil CEP**

**13h45**

**CSA A23.1 and CSA A23.2 standards: then and now**

Claude Bédard, Euclid Canada  
François Lemaire and Serge Meilleur

**14h45**

**Design of new mineral binders for durable and ecological concrete formulation**

Ana Balaguer Pascual,  
Sherbrooke University (2013 ACI scholarship)

**15h15**

Coffee Break

**15h45**

**Quantification of pavement infrastructure use phase footprint: impact of pavement material and structural properties on vehicle fuel consumption**

Arghavan Louhghalam  
Concrete Sustainability Hub, Massachusetts Institute of Technology

**16h15**

**Water permeability of structures made of fiber reinforced concrete- toward proposal of service life design criteria**

Jean-Philippe Charron, Polytechnique Montréal

**16h45**

**Overview of CSA A23.1 Annex P on iron sulfide**

Benoît Fournier  
Université Laval

**17h15**

**Sponsor's Cocktail**

**WEDNESDAY DECEMBER 3<sup>rd</sup>, 2014**

**8h00**

Coffee and Croissants

**MORNING SESSION CHAIRMAN**

**Pierre Lacroix  
Ville de Montréal**

**8h30**

**MiniShot - a new tool for shotcrete design  
formula optimisation**

Martin Vachon, Sika Canada

**9h00**

**Concrete bridge rehabilitation with a  
external post-tensioning system**

André Bahous, SNC Lavalin

**9h30**

Coffee Break

**10h00**

**Moisture measurement in concrete slabs-  
comparison of various methods**

Mladenka Saric, Mathieu Larochelle-  
Courchesne Groupe Qualitas

**10h30**

**Floor Topping Test Program for Heritage  
Building Restoration**

Paul Walkington, Stantec  
Tom Watson, J. T. Watson & Associates

**11h00**

**2014 Awards Presentation**

« CAC/ACI Chapter Merit Award »

« ACI Reconnaissance Award »

ACI Chapter Annual Scholarship

Tribute to ACI Chapter Past President

**12h00**

Open Bar /Cash Bar

**12h30 à 14h00**

Lunch

**WEDNESDAY DECEMBER 3<sup>rd</sup>, 2014**

**AFTERNOON SESSION CHAIRMAN**

**Matthieu Argouges  
Groupe Qualitas**

**14h00**

**Use of CO<sub>2</sub> in concrete**  
Sean Monkman, CarbonCure

**14h30**

**Study of the Influence of an internal  
expansive agent and of a shrinkage  
reducing agent on free and restricted  
volume's variations of concrete**

Marione Edwige Aissi,  
Sherbrooke University (2013 ACI Scholarship)

**15h00**

**Lansdowne parc revitalization**  
Philippe Goulet, Pomerleau

**15h30**

**Drop chute rehabilitation, 6 Avenue  
in Parc des Rapides**

Hugo St-Denis, Ville de Montréal  
Alain-Michel Paré, Groupe Lefebvre

**16h00**

**Closing remarks**

**Guillaume Lemieux  
President  
ACI-Quebec and Eastern Ontario Chapter**

## ACCOMODATIONS

Please make your own reservations. A limited number of rooms have been reserved at the Classique hotel **until October 30, 2014**.

Please mention your attendance to the « **ACI Progress in Concrete 2014 Symposium** ».

Phone : 418-658-2852 ou  
1-800-463-1885

<http://www.hotelclassique.com/fr/>

The rate is \$ 109.00 / night for single or double occupancy.

## REGISTRATION FEES

### Registrations before November 15, 2014

320.00 \$ + 16.00 (TPS) + 31.92 (TVQ)=  
**367.92 \$**

### Registrations after November 15, 2014

375.00 \$ + 18.75 (TPS) + 37.41 (TVQ) =  
**431.16 \$**

### Full time students

120.00 \$ + 6.00 (TPS) + 10.71 (TVQ) =  
**137.97 \$**

Registration fees include the ACI Chapter Annual Membership fee.

GST N° 123 926 560  
QST N° 101 253 1652

Please note that registrations must be done only on the ACI web site:

[www.aciquebec.com](http://www.aciquebec.com)

## CANCELLATION

Before November 22, 2014, cancellation fees: 50 \$

After November 22, 2014 ACI will keep the registration fees.

However, substitution with another person from your organisation is possible.

All cancelation must be done by Email (see below)

## INFORMATION

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