



# Canadian Technical Asphalt Association

### Items of interest

- Conference Details
- Program Summary
- Tentative Conference Program
- Abstracts (enclosed or as a link below)
- Guest Program

### Inside this issue:

Nominations	1/4
Delinquent Members	5
Conference Registration	5
Course	3
Conference App	2/3
Proposed Program Summary	5
Tentative Conference Program	6/7
Scholarship	7
2017 Guest Program	2/8
Tentative CUPGA Program	6

### Conference Links

- ◆ Conference Registration Form (online)  
[English](#) [French](#)  
 (to fax or mail)
- ◆ [Tentative Conference Program](#)
- ◆ [Abstracts](#) (English only)
- ◆ 2018 Call for Papers  
[English](#) [French](#)
- ◆ [Tentative CUPGA Program](#)
- ◆ [Nomination Form 2017-18](#)  
 (requires login on Member's Page)
- ◆ [Hotel Reservation Link](#)
- ◆ [Guest Program](#)

## CONFERENCE 2017

The 62<sup>nd</sup> Annual Conference and Annual General Meeting will be held in Halifax, Nova Scotia at the Halifax Marriott Harbourfront Hotel.

The technical course, *Asphalt Modicfication* to be presented by the Association of Asphalt Modifiers, will be offered on Sunday morning and the CUPGA sessions will be on Sunday afternoon. The Contractors' Workshop, to be held on Tuesday afternoon, is a joint effort of the CUPGA Management Committee, the CTAA Board, and the Local Arrangements Committee.

This year's technical program, as always, promises to deliver interesting and varied content. Abstracts of all the papers to be presented are included with the mail out and for those receiving the Newsletter electronically, click on the links found in the "Conference Links" box on this page.

The Sunday Welcome Reception will be held at **Pier 21**, noted for the entry point of one million immigrants between the years of 1928 and 1971. As always there will be sufficient food and beverages to satisfy evening meal requirements.

The Annual General Meeting will be held on Monday morning and will be combined with breakfast. This joint effort has been instrumental in increasing attendance at the AGM.



See you in **HALIFAX!**

## Nominations

In accordance with By-Law No. 1, Section 5.02 the Nominating Committee, appointed by the Board of Directors following the 2016 Annual General Meeting, has proposed the following list of candidates for election to the Board of Directors for 2017-2018:

- |                                   |                                |
|-----------------------------------|--------------------------------|
| <b><u>2nd Vice-President:</u></b> | Ryan Clark                     |
| <b><u>Ontario:</u></b>            | Michael Esenwa                 |
| <b><u>Atlantic Provinces:</u></b> | Brandon MacDonald              |
| <b><u>Alberta:</u></b>            | Chris Dechkoff<br>Richard Hart |

The current Directors for British Columbia, Prairies and Territories and Québec regions are Jason Herring, Rielle Haichert and Véronique Szabo, respectively.

If you are able and willing to serve on the CTAA Board of Directors from November 2017 to November 2018 **you can nominate yourself** or **any member in good standing** (paid 2017 dues) who resides in the region open for election.

(cont'd. on page 7)

## Big Changes for the CTAA Office

We are in the middle of what will be a fairly big change for the CTAA office – we are implementing a cloud-based membership management system. The system is provided by Member365.

### Why the change?

The Association struggles with a few systems, largely related to the web site maintenance and online payment. Our member database is a dbase system (written by honorary member Russ Gerrish) which does certain functions very well but results in duplication as we maintain member area web access and online payment processes.

The new system integrates the current member database processes with the online processes and is built around the whole on-line payment process.

### What does the system do?

In addition to maintaining our membership data, the system will provide automatic dues payment reminders, directly link you to dues payment screens, allow for event (i.e. conference) registration which are integral to the membership database (so, for example, members will see member pricing and non-members will see non-member pricing), it will issue paid statements once payment is processed that can be accessed directly from your member profile page, going forward members will be able to see all payments made. The members profile page will allow for members to update their personal information directly when they have a change of address or employment.

The members portal part of the system will soon replace our members only part of the web page. Although it might take us some time to transition completely you should see your personal access sent out soon, i.e. your password, and maybe even before you read this. As with any computer system I expect some growing pains, so, please bear with us.

*Any questions? Feel free to contact me directly [chuck@ctaa.ca](mailto:chuck@ctaa.ca)*

## Conference App for 2017

The conference App introduced at last year's conference worked well and was well received by the membership and will be utilized again this year. It is the same platform as last year and runs on any Apple, Android or Blackberry smart phone, tablet or PC.

As last year the 'App' is actually a web page that can be bookmarked on your phone similarly to any other App. We will be utilizing the App for providing the technical and accompanying persons program and will load actual papers and presentations during or just before the conference.

Also similar to last year, the AGM documents (last year's minutes, financial report) will be available via the App prior to the AGM meeting on Monday.

This year I am trying to simplify the security access as the double authentication last year caused some grief. We still need security though since we are providing access to the technical papers and presentations.

Want to look at it right now as it gets built for the conference? Use event code '**Halifax2017**' if prompted to gain access at <https://eventmobi.com/ctaa2017/>

The program and other information will be provided as it is developed on the App.



## 2017 CTAA Course

### AN INTRODUCTION TO MODIFIED ASPHALT BINDERS

Sunday November 12, 2017

8:30 am to 12:00 pm

**Workshop Fee of \$65.00 includes coffee break before session starts.**

Presented by the Association of Modified Asphalt Producers.

The course will provide an introduction to asphalt modification including the chemistry of modifiers and asphalt cements. It will review types of polymers used and their effect on the binder characteristics. There will also be an overview of the use polymers to modify asphalt emulsions. The course will look at recommended handling (lay down) and plant operations when using modified asphalts and provide a brief overview of testing for modified asphalts. This course will provide insight for contractors, consultants, and agencies involved in the specifying, manufacturer and construction with modified asphalts.

## Accompanying Guest Program 2017

### Saturday, November 11<sup>th</sup> 2017

16:00 – 18.30 Accompanying Guest Registration

### Sunday, November 12<sup>th</sup> 2017

08:30 – 17:00 Accompanying Guest Registration

19:00 – 22:00 CTAA Welcome Reception

### Monday, November 13<sup>th</sup> 2017

07:30 – 09:00 Accompanying Guest Private Breakfast

07:30 – 17:00 Accompanying Guest Registration

09:00 – 11:30 Board Bus and travel to Annapolis Valley

11:30 – 15:30 Grape Escape Wine Tours (Wine tasting at 3 wineries with lunch at a local inn)

15:30 Board the Bus

17:00 Arrive at Hotel

21:00 Hospitality Suite

### Tuesday, November 14<sup>th</sup> 2017

07:30 – 09:00 Accompanying Guest Private Breakfast

09:00 – 12:00 Maritime Museum (10 minute walk from the hotel)

12:00 – 14:30 Lunch at the Old Triangle Ale House

14:30 – 17:00 Nova Scotian Crystal and Historic Properties with shopping (walking distance from hotel)

18:30 – 19:30 Pre-Banquet Reception

19:30 – 23:00 Banquet with Featured Entertainment

***Hospitality Suite - Following Banquet***

### Wednesday, November 15<sup>th</sup> 2017

07:30 – 08:30 Accompanying Guest Private Breakfast

08:30 – 11:30 Halifax Citadel National Historic Site (with guided tour if available)

11:30 – 12:00 Awards Reception

12:00 – 13:30 Awards Lunch - Delegates and Accompanying Guests

***NO FURTHER ACTIVITIES SCHEDULED***

## Delinquent (Lapsed) Members

One of the changes we are working with under the new system (see p 2) is simple terminology and processes for members who have not paid their dues for the current year. While the internal processes may change slightly in alignment with the new software the impact to the member is similar.

Dues not paid by March/April of the current year results in the membership being flagged as lapsed. Once payment is lapsed members will no longer have access to the members' portal or be eligible for member pricing, for example. The new system will be set up to redirect lapsed members to the dues payment screens, at least that is the plan. Email reminders will also be automated as will personal messages in the members' portal area.

As before, those members who have lapsed will not be included in the member directory (both online and for the conference App). *(cont'd on page 7)*

## Conference Registration

### Registration

**PLEASE** note that there is **one registration fee for the conference, plus a fee for the course**. The **full conference fee includes**: the CUPGA session on Sunday afternoon, lunch on Sunday and the complete Association conference, Sunday night to Wednesday afternoon. If you wish to attend the course on Sunday morning, please be sure to register, remembering the course has a separate fee.

Online registration for the Conference should be active shortly after you receive this Newsletter. You can access it through the new member portal or via the link on the conference page. **New this year:** please check off the meals you plan to attend to help the Local Arrangement Committee with planning meals.

Don't like to register online? A Conference registration form has been posted on the web site, check the link in the email and the front page of the Newsletter. Please note that the conference registration form and payment are to be directed to the Victoria office of the Canadian Technical Asphalt Association. Once the form has been received and processed, that's it, your registered! (You can email, mail or fax the form).

The direct link for making a hotel reservation is available on the web site conference page.

### Young Members' Reception

There will be a reception on Monday evening from 5 p.m. to 6 p.m. for members who are 30 years of age or younger. The Board hopes that those attending will see the benefits of one day becoming involved in the Association and Board of Directors' affairs. For those interested in attending there is a check box on the Conference Registration form.

### Students

CTAA continues its strong commitment to student engagement by offering free membership with the Association and greatly reduced Conference fees. Know students in the area? Invite them to register.

### Proceedings

The cost of the Proceedings has been included in non-member's registration fees. Regular membership dues include the Proceedings. **Remember that the registration fee for non-members includes membership in the Association for the year 2017.** Hopefully new members signed up in this fashion will then decide to continue to enjoy the benefits of membership in the CTAA.

### Membership Fees

Members, whose 2017 dues of \$185.00, plus applicable taxes, are **paid up by the 22<sup>nd</sup> of October**, will be **eligible for the member's discount** conference fee rates.

### Conference Fees

The conference registration form provides an outline of the fees for this year's conference. Please note that registration fees will be **increased** by \$50 for those registering on line **after October 22<sup>nd</sup>, 2017**. For those registering by **mail** the envelope must be **postmarked October 22<sup>nd</sup> or earlier**. **Faxes** must be received by **October 22<sup>nd</sup>**. Cancellations requested by **October 31<sup>st</sup>** will be issued refunds.

### PAYMENTS

*CTAA is accepting secure online payments for conference registrations; membership renewals and membership applications. Scholarship donations can be made as part of a conference registration or membership renewal. Making your payment to CTAA by cheque is still accepted.*



## TENTATIVE 2017 CTA CONFERENCE PROGRAM

(Abstracts included with mailing or can be found on the web site.)

**Monday, Nov. 13<sup>th</sup>, 2017**  
**Morning Session: 10:00**

1. "Creating economical and well performing binders via modification by epoxidized plant derived oil materials"  
*Joseph Podolsky, Nacu Hernandez, R Christopher Williams, and Eric Cochran*
2. "Laboratory Evaluation of Balanced Mixtures Made with Three Different Modified PG Bitumen at 120°C and 60°C Compaction Temperatures"  
*Everett Crews, Jason P. Bausano, Jenna Michael Bowers, Richard K. Steger, and Dennis M. Muncy*
3. "Laboratory Study On The Effect On Asphalt Binder Rejuvenators On The Cracking Resistance Of Hot Mix Asphalt Mixtures"  
*Jason C. Wielinski, Laura Magill, Christopher Campbell and Gerald Huber*
4. "Comparison of New Test Methods and New Specifications for Rutting Resistance and Elasticity of Modified Binders"  
*Raquel Moraes, Dan Swiertz, Hussain Bahia*

**Monday, Nov. 13<sup>th</sup>, 2017**  
**Afternoon Session: 13:30**

5. "Prince Edward Island's Experience with Hot In-place Asphalt Recycling"  
*Stephen Yeo, Stephen Pigott and Mark Sherren*
6. "Asphalt Re-Recycling"  
*Pavel Kriz, Bennett J. Tardiff, and Stephanie R. Sta Maria*
7. "Development and Evaluation of a Non-Tracking Asphalt Emulsion For Tack Coats and Fog Seals"  
*Anton S. Kucharek, Michael Esenwa, Sina Varamini, Elijah Bickle, Alain Cormier, Matt Kennedy*
8. "RAP Paving - BC MoTI Perspective"  
*Vipin Sharma, Lindsay Johnston, Bradd Hogg and Alan Schmidt*

9. "Rehabilitation of Runway R1836 at Wabush Airport: Challenges with Paving a Northern Airport"  
*Chris Kingsland, Stephen Goodman*

10. "Investigation Into Temperature Sensitivity On AASHTO Back-Calculated Subgrade Resilient Modulus"  
*Bryan Palsat, Alan Reggin, and Marta Juhasz*

**Tuesday, Nov. 14<sup>th</sup>, 2017**  
**Morning Session: 08:30**

11. "Base asphalt variability: an opportunity for the development of innovative characterization approaches"  
*Frédéric Delfoss, Ivan Drouadaine, Sabine Largeaud, J-P Plance and J. Rovani*
12. "Innovatives asphalt pavement structures of the Regina Bypass project"  
*M. Proteau, B. Pouteau, K. Berrada, S. LeBec, D. Heath*
13. "Investigation on tensile strength of the Hot Mix Asphalt with inclusion of pulp aramid fiber (PAF)"  
*S. Saeed Saliyani, Alan Carter, Hassan Baaj and Saeed Badeli*
14. "Performance-based Asphalt mixture development process to optimize material durability and pavement design"  
*Jean-Martin Croteau, Ted Harrison, Simon Pianarosa, Laurent Brissaud and Curt Slawinsky*
15. "Mixture Design and Field Experience of Red Hot Mix Asphalt on Bus Rapid Transit (BRT) Lanes in Ontario"  
*Sina Varamini, Michael Esenwa, Anton S. Kucharek, Susan L. Tighe, Mehran Kafi Farashah, and Trevor Moore*
16. "Impacts of Flooding on Asphalt Pavements under Climate Change"  
*Donghui Lu, Susan L. Tighe, and Wei-Chau Xie*

**Tuesday, Nov. 14<sup>th</sup>, 2017**  
**Contractor's Workshop**  
**Implementation of polymer modified asphalts**  
**13:30 - 16:30.**

**Wednesday, Nov. 15<sup>th</sup>, 2017**  
**Morning Session: 08:30**

17. "Using Complex Modulus Test To Evaluate Moisture Damage Of Hot Mix Asphalt With Glass Aggregates"  
*Éric Lachance-Tremblay, Michel Vaillancourt, and Daniel Perraton*
18. "Light Coloured Asphalt Pavement"  
*Ludomir Uzarowski, Rabiah Rizvi, and Steve Manolis*
19. "Predicting HMA Fatigue Using the Double Edge Notched Tension Test and Multiple Stress Creep Recovery Test"  
*Mike Aurilio, Donn Bernal and Susan Tighe*
20. "Detailed Evaluation of Select Highway Projects Rehabilitated with CIR in Alberta"  
*Vipin Sharma, Art Johnston, Chuck McMillan, Dominique Grell*

**Wednesday, Nov. 15<sup>th</sup>, 2017**  
**Afternoon Session: 13:30**

21. "Twelve-Year Performance Review of Bloomington Road (York Region Road 40) Rehabilitation using Cold-In-Place Recycling and a 6.7mm Fine Stone Mastic Asphalt"  
*Trevor Moore, Michael Esenwa, Sina Varamini, Anton S. Kucharek and Mehran Kafi Farashah*
22. "A Review of Distress and Roughness Performance Models in Nova Scotia's Pavement Management System"  
*Mohamed Hegazi, Adam J. Marling and Leanne Whiteley-Lagace*
23. "Measuring Cracking Resistance of Asphalt Mixtures Using Notched Samples in the Modified TSRST"  
*Tirupan Mandal, Hussain U. Bahia*

## PROPOSED 2017 PROGRAM SUMMARY

### Saturday – November 11<sup>th</sup>, 2017

08:00 – 16:00	CTAA Board Breakfast / Meeting
12:00 – 13:00	CTAA Board Lunch
16:00 – 18:30	Registration Desk
19:00 – 22:30	CTAA Board Dinner

### Sunday – November 12<sup>th</sup>, 2017

07:30 – 17:00	Registration Desk
08:30 – 12:00	Technical Course
10:00 – 12:00	<b>CUPGA Management Meeting - TBD</b>
12:00 – 13:00	Delegate Lunch
13:00 – 16:30	CUPGA Seminar
19:00 – 21:00	CTAA Welcome Reception

### Monday – November 13<sup>th</sup>, 2017

07:00 – 09:00	Delegate Breakfast
07:30 – 17:00	Registration Desk
08:30 – 10:00	Annual General Meeting
10:00 – 17:00	CTAA Board Meeting
10:00 – 12:00	Technical Sessions
12:00 – 13:30	Delegate Lunch
13:30 – 15:00	Technical Sessions
15:00 – 15:30	Refreshment Break
15:30 – 17:00	Technical Sessions
17:00 – 18:00	CTAA Young Members
21:00	Hospitality Suite

### Tuesday – November 14<sup>th</sup>, 2017

07:00 – 09:00	Delegate Breakfast
07:30 – 17:00	Registration Desk
08:30 – 10:00	Technical Sessions
10:00 – 10:30	Refreshment Break
10:30 – 12:00	Technical Sessions
12:00 – 13:30	Delegate Lunch
12:00 – 13:30	Past Presidents' Lunch
13:30 – 15:00	Contractor's Workshop
15:00 – 15:30	Refreshment Break
15:30 – 16:30	Contractor's Workshop <i>cont'd.</i>
18:30 – 19:30	Pre Banquet Reception
19:30 – 23:00	Banquet
	Hospitality Suite - Following Banquet

### Wednesday – November 15<sup>th</sup>, 2017

07:00 – 09:00	Delegate Breakfast
07:30 – 13:00	Registration Desk
08:30 – 09:30	Technical Sessions
09:30 – 10:00	Refreshment Break
10:00 – 11:00	Technical Session
11:30 – 12:00	Awards Reception
12:00 – 13:30	Awards Lunch – Delegates & Accompanying Guests
13:30 – 15:00	Technical Sessions
15:00 – 15:30	Refreshment Break
15:30 – 17:00	Technical Sessions

## Tentative CUPGA Program

### CUPGA 2017 WORKSHOP PROGRAM

Sunday, November 12, 2017

<b>12:00</b>	<b>Lunch and Networking</b>
<b>13:00</b>	<b>Welcome &amp; Introduction:</b> <i>Rielle Haichert, CUPGA Chair</i>
<b>13:10</b>	<b>Cutting Edge Innovations in Asphalt Technology'</b> <i>Session Chair: Selena Lavorato, CUPGA 2<sup>nd</sup> Vice</i>
	<b><u>Reports from Regional Directors</u></b> (10 minutes each)
	<b>British Columbia</b> - Jason Herring
	<b>Alberta</b> - Roman Stefaniw
	<b>Prairies Provinces &amp; Territories</b> - Rielle Haichert
	<b>Ontario</b> - Michael Esenwa
	<b>Québec</b> - Véronique Szabo
	<b>Atlantic</b> - Ryan Clark
<b>14:15</b>	<b>Refreshments and Networking Break</b>
<b>14:30</b>	<b><u>Technology Updates from Eastern Canada</u></b> (20 minute presentation, 10 minute discussion each) <i>Session Chair: Frank Liu, CUPGA 3<sup>rd</sup> Vice</i>
	◆ Macdonald Bridge Panel Replacement
	◆ Epoxy Asphalt, Macdonald Bridge Surfacing
	◆ The Implication and Application of MSCR
<b>16:00</b>	<b><u>Closing Comments</u></b> <i>Chris Dechkoff, Incoming CUPGA Chair</i>
	<b>Introduction of next year's CUPGA Executive</b>

## CTAA Scholarships

The Canadian Technical Asphalt Association is proud to announce the addition of a third scholarship to its offerings. Applications complete with posters are sent to over **50 universities and colleges** in the Spring and this year we had **16 submissions**. Evaluation of the submissions is underway and results will be published in the August Newsletter.

The scholarships are described below.

### **CTAA Graduate Scholarship — \$2,000**

The CTAA Graduate Scholarship will be presented to a student who has been admitted into, or is currently enrolled in, a Canadian university program leading to a post-graduate degree which contributes to advances in any facet of asphalt technology. Eligible fields of study include chemistry, chemical engineering, and construction or civil engineering. Other areas of study may be considered provided the applicant clearly notes the relevance of his/her curriculum towards asphalt technology.

### **CTAA Undergraduate Scholarship—\$2,000**

The CTAA Undergraduate Scholarship will be presented to a student who has been admitted into, or is currently enrolled in a Canadian university program leading to an undergraduate degree which contributes to advances in any facet of asphalt technology. Eligible fields of study include chemistry, chemical engineering, and construction or civil engineering. Other areas of study may be considered provided the applicant clearly notes the relevance of his/her curriculum towards asphalt technology.

### **CTAA Applied Technology Scholarship—\$2,000**

The CTAA Applied Technology Scholarship will be presented to a student who has been admitted into, or is currently enrolled in, Canadian technical college or a community college program leading to a diploma which contributes to advances in any facet of asphalt technology. Eligible fields of study include chemistry, chemical engineering, and construction or civil engineering technology. Other areas of study may be considered provided the applicant clearly notes the relevance of his/her curriculum towards asphalt technology. Applicants with industrial experience in asphalt technology are encouraged to apply.

**Information** regarding our scholarships, eligibility and the application process can be viewed on our website.

**Members** are asked to pass this information on to students they know or meet who are studying asphalt technology at the graduate, undergraduate or college level.

## **Nominations** *(cont'd from page 1)*

In accordance with By-Law No. 1, Section 5.04, nominations are made by petition to the Board of Directors (c/o the CTAA Office) endorsed by at least ten Association members in good standing and must be made within thirty days of the mailing / posting of this Newsletter.

Ballots will be sent out in August, by mail to those receiving the Newsletter electronically and with the August Newsletter to those receiving the Newsletter by mail. There is also the possibility of moving to electronic ballots with our new system (described on page 2), if we are able, so stay tuned!

### **FUTURE MEETINGS**

**2018 - Regina, SK**

**2019 - Montreal, QC**

**2020 - Kelowna, BC**

### **Delinquent (Lapsed) Members** - *cont'd from page 4*

The big change and benefit is web updates will happen automatically as opposed to Head Office having to make manual changes to add or remove members' web access, which has been a time-consuming process.

Bottom line – keep your dues payments up to date and enjoy that paid up feeling!