



Canadian Technical Asphalt Association

Items of interest

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

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Conference Links

- ◆ Hotel Reservation Link (available shortly)
- ◆ [Hotel Reservation Form](#) (to fax or mail)
- ◆ Conference Registration Form ([online](#))
 - [English](#) (to fax or mail)
 - [French](#) (to fax or mail)
- ◆ 2015 Call for Papers
 - [English](#)
 - [French](#)
- ◆ [CUPGA Program](#)
- ◆ [Nomination Form](#) 2015-16 – requires login on Member's Page
- ◆ [Abstracts](#)

CONFERENCE 2014

The 59th Annual Conference and Annual General meeting will be held in Winnipeg, Manitoba at the Fairmont Winnipeg Hotel.

The meeting format was changed somewhat last year and will continue for this year's conference.

The technical course will be offered on Sunday morning and the CUPGA sessions will be on Sunday afternoon. The Contractors' Workshop, held on Tuesday afternoon, will be 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 Canadian Museum for Human Rights. Transportation will be available and there will be sufficient food and beverages to satisfy evening meal requirements.

The Annual General meeting will be held on Monday morning as usual and



*Canadian Museum for Human Rights
 Site of Sunday evening's
 Welcome Reception
 (transportation will be provided)*

again we will combine the meeting with the normal breakfast. We think this joint effort has been instrumental in increasing the attendance at the AGM.

The Local Arrangements Committee for Winnipeg wish to advise that a running and fast walking morning session will be available for people who want to get some exercise and at the same time explore Winnipeg.

See you in Winnipeg!

CANADA NOT-FOR-PROFIT CORPORATIONS ACT

The result of the vote regarding the Not-for-Profit Corporations Act was a resounding yes. On March 21, 2014, the Association's lawyer was requested to proceed with our submission. Head Office received the Certificate of Continuance on March 28, 2014.

Many thanks to those who voted for keeping us in business.

STRATEGIC PLAN Version 2

At last year's Past Presidents' Luncheon, a suggestion was made to review the Association's strategic plan which was adopted in 2006. The Mission and Vision statements are shown below.

CTAA Mission Statement

"Our purpose is to raise the level of understanding of asphalt technology and its applications."

Continued on Page 2

Delinquent Members

Members who have not paid their **2014** annual dues are reminded that all those persons whose dues are in arrears on **July 31, 2014**, will have their names placed on the **delinquent** membership list. They will cease to be eligible for membership privileges such as receiving copies of the 2014 Conference Proceedings and having their names published in the 2014 Conference Proceedings and Conference Program Booklet.

Any member whose dues for **2013 and 2014** remain unpaid on **July 31, 2014**, will be considered **suspended**; they will have their name removed from the membership list and will cease to be a member. Suspended members will also cease to receive CTAA mailings and their names will not be printed in the lists of members in the 2014 Conference Proceedings nor the Program Booklet.

Payment can be made online from the home page of the website.

Conference Registration

Registration

Conference and hotel registration forms have been posted on the web site. Please follow the links in the email advising members of this Newsletter and process accordingly. These forms are included with the Newsletter for those receiving same by mail. Please note that the conference registration forms and payment are to be directed to the Victoria office of the Canadian Technical Asphalt Association. Once the form has been received and documented the pertinent information will be forwarded to the Local Arrangements Committee.

It should be noted that there will be one registration fee for the conference, i.e. no separate fee for the CUPGA portion. The annual conference fee therefore includes the CUPGA session on Sunday afternoon, lunch on Sunday and the complete Association conference Sunday night to Wednesday afternoon. There will be a small fee, as usual, for the course on Sunday morning.

Registration for the conference can be made by mail, fax or on-line. Please remember that the Fairmont Winnipeg Hotel reservation forms should be directed to the **HOTEL** and **NOT** the CTAA office. The direct link for the hotel reservation will be available shortly.

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.

STRATEGIC PLAN

Version 2

(Continued from page #1)

CTAA Vision Statement

"To be recognized as the preeminent source of information in Canada, related to asphalt technology and its applications, in the provision of the best and safest infrastructure."

The Board has re-affirmed the Mission and Vision statements arising from the strategic plan at the spring meeting. Listed below are the four key business goals arising from the 2006 Strategic Plan with comments on our current activities related to the achievement of these goals.

1. To promote asphalt technology through information exchange

The primary means of information exchange is our yearly conference. Thanks to the continuing efforts of Chuck McMillan, all past proceedings are available to members on the CTAA website. A survey was conducted by Chuck McMillan after the conference to gauge membership satisfaction.

2. To promote communication amongst members

Steve Goodman has taken over the responsibility of producing the CTAA newsletters. In addition, he continues to moderate the LinkedIn site.

3. To encourage industry-wide participation

Starting with the St. John's conference CUPGA and the LAC are responsible for organizing the contractor's workshop held on Tuesday afternoon. Topics specifically related to issues of importance for contractors are addressed.

4. To improve education and training tools for stakeholders

Scholarships offered by the CTAA have been expanded to three in order to encourage community college students to study asphalt technology.

The Education and Training Committee co-ordinates the annual conference training sessions with the capable assistance of Chuck McMillan.

Lead by Alan Carter, a subcommittee of the Education and Training Committee is hard at work producing an asphalt technology textbook.

Students

CTAA continues its strong commitment to student engagement by offering free membership with the Association and greatly reduced Conference fees. This approach is working with many students becoming Full Members upon graduation.

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PROPOSED 2014 PROGRAM SUMMARY

Saturday – November 15th, 2014

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 16th, 2014

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

Monday – November 17th, 2014

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 18th, 2014

07:00 – 08:00	Jogging and Fast Walk
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 19th, 2014

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 and Accompanying Guests
13:30 – 15:00	Technical Sessions
15:00 – 15:30	Refreshment Break
15:30 – 17:00	Technical Sessions
17:00 – 18:00	Canadian Asphalt and Mix Exchange Meeting (immediately following the last paper.)

Proposed Accompanying Guest Program 2014

Saturday, November 15th 2014

16:00 – 18.30	Accompanying Guest Registration
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Sunday, November 16th 2014

08:30 – 17:00	Accompanying Guest Registration
19:00 – 22:00	CTAA Welcome Reception

Monday, November 17th 2014

07:00 – 08:30	Breakfast with Delegates
07:30 – 17:00	Accompanying Guest Registration
09:00 – 09:15	Group Photo
09:30	Board Bus
10:00 – 12:00	Guided tour of the Human Rights Museum
12:00 – 14:00	Lunch at Prairie 360
14:00 – 16:00	La Grotta Piazza De Nardi – Fashion show set up through the ladies store Daddy's Girl will be held on the 2 nd floor of La Grotta Piazza De Nardi followed by wine tasting from the La Boutique del Vino, followed by shopping at Daddy's Girl.
16:00	Board the Bus.
16:30	Arrive at Hotel
21:00	Hospitality Suite

Tuesday, November 18th 2014

07:15 – 08:30	Breakfast with Delegates
09:00 – 12:00	" <u>Journey to Churchill</u> " at the Assiniboine Park Zoo
12:00 – 14:00	Lunch at either Green Gates or Terrace at the Park
14:00 – 15:30	Shelmerdine's for shopping and workshop
15:30	On the bus – serving hot hors d'œuvres

(Continued on Page 5)

TENTATIVE 2014 CTA CONFERENCE PROGRAM

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

Monday, Nov. 17th, 2014, Morning Session: 10:00 a.m.

1. **Chemical Analysis of Asphalts Blended with Vacuum Tower Bottoms (VTB) and Their Effect on HMA Mixture Performance**
Jason C. Wielinski, Anthony J. Kriech, Gerald A. Huber
2. **Evaluation Of Oil Modification Effect On Asphalt Binder Thermal Cracking And Aging Properties**
Amir Gopalipour, Hussain Bahia
3. **Interrelationships Between Binder Parameters Considered For Asphalt Specifications**
Geoffrey M. Rowe
4. **The Ageing Susceptibility of Rejuvenated Asphalt Binders: Determining the Effectiveness of Asphalt Rejuvenators and Additives in a Simulated RAP Binder**
Christine Gorsuch, Ralph Franklin

Monday, Nov. 17th, 2014 Afternoon Session: 13:30 p.m.

5. **Comparison of Asphalt Cement Acceptance Methodologies for Provincial Highways in Ontario**
Alexander (Sandy) Brown
6. **Asphalt Diffusion**
Pavel Kriz
7. **Development of QC/QA Test for Asphalt Binders**
Raj Dongre, Jack Youtcheff, Adrian Andriescu, John Newman
8. **Caractérisation des performances thermomécaniques d'un enrobé bitumineux avec particules de verre post-consommation**
Eric Lachance Tremblay, Michel Vaillancourt
9. **City of Winnipeg's Experience with Recycled Asphalt Shingles (RAS) in Hot Mix Asphalt (HMA) Overlays**
Leannie Kavanagh, Saman Esfandiarpour, Ahmed Shalaby, Paula Camargo

10. **Effect of RAP, RAS, and Aging on Workability of Asphalt Mixes**
Raj Dongre, Eugeniu Morari

Tuesday, Nov. 18th, 2014 Morning Session: 08:30 a.m.

11. **Structural Evaluation and Full Depth Reclamation Design of Lake Major Road**
Christopher L. Barnes, Jeff MacEwen
12. **Ten Years of Experience with Hot Mix Asphalt Containing Recycled Asphalt Shingles in the City of Edmonton**
Hugh Donovan, Nawaz Panhwer, Leonard Dunn
13. **Pavement Rehabilitation With Cold Recycling Technology On Highway 8 (Queenston Road) In The City Of Hamilton**
Gary Moore, Reza Namjouy, Christopher Norris
14. **Rutting Characterization of Typical Ontario Rubberized-RAP Mixtures**
Doubra Ambaiouei, Xiomara Sanchez, Susan Tighe, Seyed Tabib, Andrew Horseman
15. **Feasibility Study of Performance Grading Particulate Asphalt Rubber Binders**
Sallie Houston, Gary Houston, Rielle Haichert, Curtis Berthelot
16. **A Performance-Related Approach To The Utilization Of Reclaimed Asphalt Shingles (RAS) In Asphalt Mixtures**
Art Johnston, Jadon Pickett, Lindsay Johnston, Gary Wilson

Tuesday, Nov. 18th, 2014 Contractor's Workshop

13:30 - 17:00.

Panel Discussion Specifications Method vs. ERS and everywhere in-between

- i. MIT Perspective – MIT environmental Scan - Larry Halayko
- ii. SK Highways Perspective – Transition to ERS - Potential

- iii. City of Winnipeg Perspective – TBA
- iv. Contractor Perspective - TBA

Materials and Construction

- v. Basics of Asphalt Refining and Modification (Refiner)
- vi. Advances in Cold in Place recycling – State of the Practice (Contractor)
- vii. Specifying Anti-strips – Products and their application

Wednesday, Nov. 19th, 2014 Morning Session: 08:30 a.m.

17. **Properties of Warm Mix Asphalts with Reclaimed Asphalt Pavement**
J. González-León, F. Achard, N. H. Pham, C. Sauzeat, H. Di Benedetto
18. **Development Of High Modulus Asphalt Mixes For Cold Climate**
D. Perraton, M. Meunier, M. Proteau, R. Dufresne, A. Carter
19. **State-of-the-Practice for Crack Treatments for Asphalt Pavements**
Dale S. Decker
20. **Monitorage de la variation de température de l'enrobé bitumineux au cours de la production, du transport et de la mise en œuvre et effet sur la ségrégation granulaire et thermique**
Frédéric Noël

Wednesday, Nov. 19th, 2014 Afternoon Session: 13:30 a.m.

21. **Life Cycle Management of Road Assets With Emphasis on Long Life Asphalt Pavements**
Ralph Haas

Continued on Page 5

Future Meetings

**2015 - Ottawa, ON
2016 - Banff, AB
2017 - Halifax, NS**

2014 CTAA Tentative Conference Program

(cont'd. from page 4)

Wednesday, Nov. 19th, 2014

Afternoon Session: 13:30 a.m., cont'd.

- 22. Reduction In Service Life Of Asphalt Pavements Due To Utility Cuts – A Forensic Investigation In The City Of Calgary**
Mohammad Karim, Joe Chyc-Cies, Rabiah Rizvi, Viny Henderson, Ludomir Uzarowski
- 23. Advanced Pavement Technology Used for Rehabilitation of Runways at Edmonton International Airport**
Ludomir Uzarowski, Rabiah Rizvi, Darrin Schuster, Felipe Salgado, Carmine Bello, Kris Bourgeois
- 24. Innovative Multi-Layer Pavement Preservation Techniques**
Gary Houston, Sallie Houston
- 25. Importance Of Thermal Contraction Coefficient In Low Temperature Cracking Of Asphalt Concrete**
Prabir Kumar Das, Denis Jelagin, Björn Birgisson,
- 26. Project Level Rehabilitation Design Of Asphalt Pavements Using Laser And Lidar Technologies**
Dave Palsat, Chuck McMillan, Darel Mesher, Marta Juhasz, Cherie Fuchs

Proposed Accompanying Guest Program

2014 (cont'd. from page 3)



Tuesday, November 18th 2014 (cont'd.)

- 16:00 Arrive at hotel
 18:30 – 19:30 Pre-Banquet Reception
 19:30 – 23:00 Banquet
 Hospitality Suite - Following Banquet

Wednesday, November 19th 2014

- 07:00 – 08:30 Breakfast with Delegates
 08:30 Board Bus
 09:00 – 11:00 The Forks or the Royal Ballet
 11:30 – 12:00 Awards Reception
 12:00 – 13:30 Awards Lunch - Delegates and Accompanying Guests

NO FURTHER ACTIVITIES SCHEDULED.

Nominations

In accordance with By-Law No. 1, Section 5.01 of the By-Laws the Nominating Committee, appointed by the Board of Directors following the 2013 Annual General Meeting, has proposed the following list of candidates for election to the Board of Directors for 2014-2015:

2nd Vice-President

Brandon MacDonald
 Todd Strynadka

British Columbia

John Laxdal
 Jason Herring

Prairies & Territories

Rielle Haichert
 Tara Liske

Québec

René Dufresne
 Catherine Lavoie
 Véronique Szabo

The current Directors for Alberta, Ontario and the Atlantic region are Roman Stefaniw, Nabil Kamel and Ryan Clark respectively.

Next year Board members will be elected for Alberta, Ontario and the Atlantic region.

The Board of Directors encourages the membership to submit additional nominations for the Directors of the Association. 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. In accordance with By-Law No. 1, Section 4.03 Alan Carter succeeds to the position of President and Hugh Donovan becomes 1st Vice-President.

Under Section 3.01 Keith MacInnis and Bob Forfyflow, the soon-to-be most recent past presidents, will continue as Directors.

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.

To assist the CTAA Nominating Committee we are asking members to provide names of CTAA members who are able and willing to serve on the CTAA Board of Directors from November 2015 to November 2016. You can nominate yourself or any member in good standing who resides in the region open for election. The positions that are eligible for election in 2015 are Directors for Alberta, Ontario and Atlantic regions and the 2nd Vice President. The Nomination form is posted on the web site. Please note that those applying for 2nd Vice President should have had previous Board experience.

2014 CTAA Course

Course

Asphalt Inputs for M-E PDG

Presenter

*Alexander (Sandy) Brown, P.Eng.
Technical Director, OHMPA
Canadian Regional Engineer, AI*

**Sunday November 16, 2014
8:30 am to 12:00 pm**

Workshop Fee of \$60.00 includes coffee break before session starts.

This course will look at the significance of asphalt and asphalt mixture inputs into the Mechanistic – Empirical Pavement Design Guide (Pavement ME Design) and examine some of the work being done to evaluate the significance of the parameters like the mixture E* and the binder G* values. The complexity of binder and mixture master curves and how they are utilized by the design methodology will be reviewed. Additionally the course will discuss the impact of other mixture related inputs such as aggregate characteristics and explore the use of traffic load spectra utilized by the new design method.



*Attendees of 2013 course presentation
by Gerry Huber*

CONFERENCE REGISTRATION

(cont'd. from page 2)

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 2014.** 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 2014 dues of \$185.00 plus applicable provincial/federal taxes are **paid up by the 17th of October 2014**, will be eligible for the member's discount conference fee rates. Sustaining members may appoint only one delegate and he/she must carry the membership card sent to the sustaining member.

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 17, 2014**. For those registering by **mail** the envelope must be **postmarked October 17, 2014 or earlier**. **Faxes** must be received by **October 17th**.

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.

The Mix Exchange program, and purchasing Proceedings on line will be added before the end of the year.

*Moving to a new credit card payment program has enabled CTAA to accept **American Express** this year. This is good news for those whose corporate credit card is with American Express. Also, receipts are now issued when payment has been completed. However, **PayPal** is **no longer** an option for payment.*

The usual options of making payment to CTAA, by cheque or credit card through the mail; a phone call or a fax, are still available.

NEW FORMAT FOR CUPGA

The CUPGA session will be held on **Sunday (November 16th starting at 13:00)** of the CTAA annual conference. A link to the agenda can be found on page 1 of this Newsletter (bottom left corner) or a hard copy has been included with the Newsletter for those receiving the Newsletter by mail.

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 over 13 submissions.

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 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. 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.

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.

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.

Social Media Update - CTAA on LinkedIn

Steve Goodman
Editor/ Communications Manager



Steve Goodman
Editor/Communications
Manager

It is simply amazing how time flies - we are now 2 years into our Social Media campaign with another 100 members (319 total) since my last update in July 2013. As your Communications Manager and Editor, I try to update the site often but really need your help to keep the content fresh and interesting. So please either post directly

to the page, or send me an email (steveg@ctaa.ca) with your questions and comments. As members and friends of CTAA, you have the opportunity to access experience and knowledge from colleagues across Canada, the United States and abroad. Heard about a new or interesting asphalt technology but are hesitant to use it? There is likely someone out there that can provide you with additional information or the results of a case study. There are no silly questions, just missed opportunities for free helpful information if you don't ask.

I look forward to seeing everyone in Winnipeg in November.