



Canadian Technical Asphalt Association

Items of interest

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

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Conference Links

- ◆ Conference Registration Form (online) [available soon](#)
[English](#) [French](#)
 (to fax or mail)
- ◆ [Abstracts](#) (English only)
- ◆ 2016 Call for Papers
[English](#) [French](#)
- ◆ Proposed [CUPGA](#) Program
- ◆ [Nomination Form](#)
 2016-17 – (requires login on Member's Page)
- ◆ [Hotel Reservation Link](#)
- ◆ [Hotel Reservation Form](#)
 (to fax or mail)

CONFERENCE 2015

The 60th Annual Conference and Annual General Meeting will be held in Ottawa, Ontario at the Fairmont Chateau Laurier.

The technical course, *Cold-In-Place Recycling* with Tom Dziedziejko, will be offered on Sunday morning and the CUPGA sessions will be on Sunday afternoon. The Contractors' Workshop, 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 Canadian War Museum - lower vehicle space. 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 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 Ottawa wish to advise that a jogging and fast walking morning session will be available for people who want to get some exercise and at the same time explore Ottawa.



Skating on the Rideau Canal with the Fairmont Chateau Laurier in the background (centre).

See you in OTTAWA!

CAMEP Ending

The Canadian Asphalt Mix Exchange Program, CAMEP, is a program targeted at laboratories in Canada that perform tests on bituminous materials. This program offers participants the opportunity to compare their results with those of other laboratories carrying out similar tests. It provides a mechanism for evaluating and improving testing methods.

Unfortunately, due to a decrease in the number of participants, the 2015 edition of CAMEP will be the last one. The binder part, CAEP, was cancelled earlier this year because less than 10 laboratories registered for it. CAMEP and CAEP were managed by the Saskatchewan Ministry of Highways and Infrastructure for many years and both programs were managed by Ecole de technologie superieure for the last four years.

In Memorium: J. Keith Davidson

The Canadian Technical Asphalt Association lost a key member of our industry on February 13, 2015, when Keith Davidson unexpectedly passed away at the age of 64.

Keith was a long-time employee of McAsphalt Industries Limited where he was the Director of Technology and Product Development. Keith was extremely active in our industry serving on the CTAA Board as President in 1996, and presenting courses to CTAA delegates at several conferences. Keith was also an active participant in the old CGSB Committee on Road Materials: the Asphalt Emulsion Manufacturers Association's International Technical Committee and various subcommittees of the ASTM Committee on Road Materials. Keith was also a long-time member of our sister association, AAPT.



Keith was made an honorary member of CTAA on May 15, 2010.

Keith will be remembered for his open sharing of technical information which exemplifies the goals of CTAA: to disseminate information on asphalt technology for the betterment of the industry. His warm nature was particularly noted by new CTAA members as Keith went out of his way to make them feel welcome. Mentored himself by the late Norman W. McLeod, Keith passed on his knowledge freely. He willingly shared his time and technical know-

how with his staff and colleagues as well as clients and industry partners. His practical approach combined with his technical expertise earned him the respect of a wide audience in the asphalt field. He was especially recognized in the areas where he advanced the use of emulsified asphalts such as Cold-In-Place Recycling, Full-Depth Reclamation, and Micro-Surfacing.

In sharing his knowledge, Keith authored or co-authored over 30 technical papers published in CTAA Proceedings, as well as many, many others published in other technical arenas.

***Keith will be greatly missed
by his many colleagues.***



Nominations

In accordance with By-Law No. 1, Section 5.02 of the By-Laws the Nominating Committee, appointed by the Board of Directors following the 2014 Annual General Meeting, has proposed the following list of candidates for election to the Board of Directors for 2015-2016:

2nd Vice-President:

Nabil Kamel

Alberta:

Roman Stefaniw

Ontario:

Michael Esenwa

Ludomir Uzarowski

Atlantic:

Ryan Clark

The current Directors for British Columbia, Prairies & Territories, and Québec region are Jason Herring, Rielle Haichert and René Dufresne, respectively.

Next year Board members will be elected for British Columbia, Prairies and Territories and Québec regions and 2nd Vice President.

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 Hugh Donovan succeeds to the position of President and Todd Strynadka becomes 1st Vice-President.

Under Section 3.01 Alan Carter and Keith MacInnis, 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 also asking members to [provide names](#) of CTAA members who are able and willing to serve on the CTAA Board of Directors from November 2016 to November 2017. **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 2016 are Directors for British Columbia, Prairies and Territories, Québec and the 2nd Vice President. The Nomination form is posted on the web site. Please note that those being nominated for 2nd Vice President should have had previous Board experience.

And following your term as a Director, receive a Certificate of Appreciation to commemorate your time well spent on the Board, just as Ken Fyvie is doing here following his term as Director of British Columbia. And doesn't Art Johnston look like he's had an exciting and rewarding term as President?



Become a Board Director and enjoy hearing live, up-to-the minute reports from the LAC Chair.



Delinquent Members

Members who have not paid their **2015** annual dues are reminded that all those persons whose dues are in arrears on **July 31, 2015**, 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 2015 Conference Proceedings and having their names published in the 2015 Conference Proceedings and Conference Program Booklet. ***Payment can be made online at ctaa.ca.***

Any member whose dues for **2014 and 2015** remain unpaid on **July 31, 2015**, 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 2015 Conference Proceedings nor the Program Booklet.

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.

PLEASE note that there will be **one registration fee for the conference, i.e. no separate fee for CUPGA**. 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 Chateau Laurier Hotel reservation forms should be directed to the **HOTEL** and **NOT** the CTAA office. The direct link for making a hotel reservation is available on the web site.

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. This approach is working with many students becoming Full Members upon graduation.

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 2015.** 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 **2015** dues of \$185.00 plus applicable provincial/federal taxes are ***paid up by the 16th of October 2015, 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 16, 2015**. For those registering by **mail** the envelope must be **postmarked October 16, 2015 or earlier**. **Faxes** must be received by **October 16th**.

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. Payment by credit card (Visa, MasterCard and AMEX) can be made by faxing or mailing your registration form to the office. Providing credit card information over the phone is still accepted.

PROPOSED 2015 PROGRAM SUMMARY

Saturday – November 14th, 2015

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 15th, 2015

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

Monday – November 16th, 2015

07:30 – 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 17th, 2015

07:00 – 08:00	Jogging and Fast Walk
07:00 – 08:30	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 18th, 2015

07:00 – 08:30	Delegate Breakfast
07:30 – 12:00	Registration Desk

08:30 – 10:00	Technical Sessions
10:00 – 10:30	Refreshment Break
10:30 – 11:30	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

2015 CTAA Course

Cold-In-Place Recycling

Sunday November 15, 2015

8:30 am to 12:00 pm

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

Presenters

Tom Dziedziejko, C.E.T.
Director of Quality
Infrastructure
Aecon Transportation Group

Reza Namjouy, P. Eng.
Senior Pavements
Engineer
Aecon Materials Engineering

In this course Reza Namjouy and Tom Dziedziejko will present the basic considerations for designing cold-in-place and full depth recycled pavements. Both Tom and Reza bring years of practical experience and observations to help bring an understanding of the impact of lab results compared to real-world performance. The use of both emulsified and foamed asphalts and the potential benefits when choosing either product with the different processes will be discussed. The presenters will provide an overview of the Wirtgen design procedure and explore areas such as the practical significance of retained stabilities, the benefits of cement addition and other nuances of the design procedures. They will also address pavement design and candidate selection considerations as well as provide practical guidance regarding construction processes and quality management from the design stage through project completion.

This short course will be of interest to practitioners at all levels of experience with CIR and FDR processes. Course discussion will be encouraged to share experiences with both construction and performance considerations.

TENTATIVE 2015 CTA CONFERENCE PROGRAM

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

Monday, Nov. 16th, 2015 Morning Session: 10:00

1. **Development of Performance Specifications for Flexible Pavements in Ontario**
Dale Smith, Stephen Lee, Tom Kazmierowski
2. **Laboratory Crack Testing of Hot Mix Asphalts Containing Vacuum Tower Asphalt Extender**
Jason C. Wielinski, Andrea Horton, Anthony Kriech, Gerald Huber
3. **Ontario's Strategy to Enhance Asphalt Cement Quality**
Seyed Tabib, Farhana Hoque, Pamela Marks
4. **Visualization and Quantification of Hot Mix Asphalt Characteristics using X-Ray Computed Tomography**
Magdy Shaheen, Dr. Adil Al-Mayah, Dr. Susan Tighe

Monday, Nov. 16th, 2015 Afternoon Session: 13:30

5. **Study of Post-Compaction and of the Use of Confining Pressure When Measuring the Complex Modulus of a Full-Depth Reclamation Material**
Apparao Gandhi, Julien Kagabo, Alan Carter, Dharmaveer Singh
6. **New Technology for Asphalt Compaction: A Contractor's View and Experience**
Eric Shaw, Russ Perry, Anandkumar Chelliah, Bonnie Robertson
7. **Asphalt Mixes Modified with Asphalt Shingles Sand**
Frédéric Noël
8. **Investigation of Diffusion-Controlled Oxidative Aging in Asphalt Mixture**
Prabir Kumar Das, Niki Kringos, Hassan Baaj, Susan Tighe
9. **In-situ Permeability of Newly Constructed Asphalt Pavement Surfaces as an Indicator of Long-Term Pavement Performance**
Moustafa Awadalla, A.O. Adb El Halim, Yasser Hassan, Imran Bashi, Frank Pinder

10. **Selection, Evaluation and 5 Year Performance Evaluation of Highway 1 Section Rehabilitated with Hot-In-Place Recycling Treatment**
Vipin Sharma, Christian Babuin, Brad Hogg, Alan Schmidt

Tuesday, Nov. 17th, 2015 Morning Session: 08:30

11. **Development of a Synthetic Binder Which Can Be Adapted to Create a Coloured Pavement Mixture and the Performance Review of the 2009 Front Street Project in Dawson City, Yukon**
Todd Strynadka, Jean-Martin Croteau, Jeff Jarvis, Dr. Guy Doré
12. **3D Paving Experience at the National Corvette Museum—Motorsports Park**
Todd Mansell, Terry Humphrey
13. **Flexible Pavement Design and Asset Management for Western Canada P3 Projects**
Art Johnston, Bryan Palsat, Dave Palsat
14. **Characterization of Hot Mix Asphalt with Steel Slags and the Use of Laboratory Results in Mechanistic-Empirical Pavement Design**
Emmanuel Dion, Daniel Perraton, Alan Carter, Kevin Bilodeau
15. **Physical Hardening in Asphalt**
Jamie-Lee Freeston, Graeme Gillespie, Simon A.M. Hesp, Mingle Paliukaite, Russell Taylor
16. **ECF Using 100% Recycled Materials**
Arbia Garfa, Marie Quioc, Alan Carter, Anne Dony

Tuesday, Nov. 17th, 2015 [Contractor's Workshop](#) [Challenges of Paving in Urban/Rural Areas](#) 13:30 - 16:30.

17. **Effect of Storage Conditions on Physical Properties of Polymer Modified Asphalts**
Dr. Huachun Zhai, Alejandro Rosalos

18. **Field Evaluation of Pavement Preservation Treatments Incorporating Stress Absorbing Membrane Interlayer Technologies**
Rhiannon Arsenault, Terry McCann, Steve Goodman

19. **Five Year Performance of Quiet Asphalt Pavement Test Sections on Highway 405 Ontario**
Heather Beattie, Seyed Tabib, Pamela Marks, Chris Blaney

20. **Six Year Performance of Ontario's Freeway Fibre and Polymer Modifier Trial Project**
Anne Holt, Pamela Marks

21. **Cold 2014 Winter and Early Asphalt Pavement Cracking Observed in Southwestern Ontario**
Dr. Ludomir Uzarowski, Dr. Vimy Henderson, Gary MacDonald, John Rizzo, Gary Moore

Wednesday, Nov. 18th, 2015 Afternoon Session: 13:30

22. **Green Pavement Technologies are Sustainable Only if they Deliver Acceptable Performance**
Dr. Ludomir Uzarowski, Dr. Michael Maher, Dr. Susan Tighe
23. **Use of the Hirsh Model to Back-Calculate the Performance Characteristics of the Blended Binder in SuperPave Recycled Hot Mixtures**
Dr. Xiomara Sanchez, Vince Aurilio, Dr. Susan Tighe, Sandy Brown, Fernando Magisano
24. **Improving the Fatigue-Resistance for Hot Mix Asphalt Surface Course Mix**
Magdy Shaheen, Dr. Susan Tighe, Dr. Adil Al-Mayah
25. **Complex Modulus and Fatigue Performances of a GB20 Mix Incorporating High Percentage of Reclaimed Asphalt Pavement (40%)**
Asmaa Basueny, Alan Carter, Daniel Perraton

Future Meetings — 2016 - Banff, AB 2017 - Halifax, NS

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 **27 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.

Accompanying Guest Program 2015

Saturday, November 14th 2015

16:00 – 18:30 Accompanying Guest Registration

Sunday, November 15th 2015

08:30 – 17:00 Accompanying Guest Registration

19:00 – 22:00 CTAA Welcome Reception at Canadian War Museum

Monday, November 16th 2015

07:30 – 08:30 Breakfast with Delegates

07:30 – 17:00 Accompanying Guest Registration

09:00 – 09:15 Accompanying Group Photo at Hotel

09:30 – 12:00 Guided Byward Market Shopping Tour

12:00 – 14:00 Lunch in the Byward Market Restaurant

14:00 – 17:30 Museum of Civilization or Parliament Tour

Monday, November 16, 2015 (Cont'd.)

18:00 Board the Bus.

18:30 Arrive at Hotel

21:00 Hospitality Suite

Tuesday, November 17th 2015

07:00 – 08:30 Breakfast with Delegates

09:00 – 12:00 Museum of Nature or Bayshore Mall shopping

12:00 – 14:00 Lunch at "The Mill Restaurant"

14:00 – 17:30 Rideau Center and/or Sparks Street Pedestrian Mall shopping

18:00 Arrive at hotel (cont'd. on pg 8)

Tentative CUPGA Program

CUPGA 2015 WORKSHOP PROGRAM

Sunday, November 15, 2015

The CUPGA 2015 Workshop Program is intended to address these issues with presentations about technology, specification and construction.

- 12:00 Lunch and Networking**
- 13:00 Welcome & Introduction:**
Pamela Marks, CUPGA Chair
- 13:10 Implementation of Superpave across the Country**
Session Chair: Nawaz Panhwer CUPGA 2nd Vice Chair
Reports from Regional Directors (10 minutes each)
 British Columbia – Jason Herring
 Alberta – Roman Stefaniw
 Prairies Provinces and Territories – Rielle Haichert
 Ontario - Nabil Kamel
 Quebec – René Dufresne
 Atlantic – Ryan Clark
- 14:15 Positive Impacts and Challenges of Asphalt Cement Modification**
Session Chair – Selena Lavorato, CUPGA Third Vice Chair
 Supplier Perspective – Steve Manolis
 Contractor Perspective – TBD
- 15:15 *Refreshments and Networking Break***
- 15:30 Positive Impacts and Challenges of Asphalt Cement Modification**
 Municipal Owner Perspective – TBD
 Agency Perspective – Pamela Marks
- 16:30 Closing Comments**
Rielle Haichert, Incoming CUPGA Chair
Introduction of next year's CUPGA Executive, Collection of Survey Forms.

Accompanying Guest Program 2015 (cont'd from page 7)

- 18:30 – 19:30 Pre-Banquet Reception
 19:30 – 23:00 Banquet and “Casino Royal Night”
 Hospitality Suite - Following Banquet

Wednesday, November 18th 2015

- 07:00 – 08:30 Breakfast with Delegates
 08:30 Board Bus
 09:00 – 11:00 National Library or National Art Gallery
 or Sparks Street shopping
 11:30 – 12:00 Awards Reception
 12:00 – 13:30 Awards Lunch - Delegates and
 Accompanying Guests

No further activities scheduled.



*There are always
interesting places to visit*

*Sometimes a fashion show.
But always there is food and
fun to be enjoyed by all.*

