



Canadian Technical Asphalt Association

CONFERENCE 2012

Special Items of Interest

- Conference Details
- Conference Program
- Tentative Technical Program
- Guest Program
- Abstracts (enclosure)

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Included with the Newsletter

- ◆ [Hotel Reservation Form](#)
- ◆ Conference Registration Form
- ◆ [English](#) [French](#)
- ◆ 2013 Call for Papers
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- ◆ [Abstracts](#)

The
Westin
Bayshore
Hotel

Where the
2012 CTAA
Conference is
"Happening"

November
18-21



The 57th Annual Conference and Annual General meeting will be held in Vancouver at the Westin Bayshore Hotel.

As usual, the CUPGA workshop will take place on Sunday, November 18th, and the conference begins with an Annual General Meeting on the morning of Monday, November 19th.

The AGM will be held in conjunction with the Monday morning breakfast. We have tried this for two years now and attendance is up so the Board decided to follow the

same format this year.

This year's technical program 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 go to the web site, www.ctaa.ca.

The Sunday Welcome Reception will feature complimentary drinks and appetizers. The Local Arrangements Committee advise that while there will be lots of appetizers, some people may want to plan a dinner engagement

before or after the Reception.

During the evenings in the hotel, feel free to come to the hospitality suite and renew old acquaintances or make new ones.

The Local Arrangements Committee for Vancouver wish to advise that running and fast walking morning sessions will be available for people who want to get some exercise and at the same time discover Stanley Park and the landscapes of the City.

**See you in
Vancouver!**

Nominations

In accordance with By-Law Article 6 of the Constitution and By-Laws the Nominating Committee, appointed by the Board of Directors following the 2011 Annual General Meeting, has proposed the following list of candidates for election to the Board of Directors for 2012-2013:

2nd Vice-President

Alan Carter

Prairies

Hugh Donovan

Québec

René Dufresne
Catherine Lavoie
Véronique Szabo

The current Directors for
British Columbia, Ontario

and Atlantic are Todd Strynadka, Nabil Kamel and Mark Downie respectively.

The Board of Directors encourages the membership to submit additional nominations for the Officers of the Association. In accordance with By-Law Article 6.3, nominations are made by

(Continued on page 2)

Delinquent Members

Members who have not paid their **2012** annual dues are reminded that all those persons whose dues are in arrears on **July 31, 2012**, 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 2012 Conference Proceedings and having their names published in the 2012 Conference Proceedings and Conference Program Booklet.

Any member whose dues for **2011 and 2012** remain unpaid on **July 31, 2012**, 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 2012 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 on 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.

Registration for the conference can be made by mail, fax or on-line as can the registration for the hotel. Please remember that the Westin Bayshore reservation forms should be directed to the **HOTEL** and **NOT** the CTAA office.

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. This was started last year and proved to be quite popular. 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 off box on the Conference Registration form.

Students

A number of students have been attending recent conferences and some have stayed on as student members and then have become full members. Furthermore a student who registers for the full conference will receive a CD of the Proceedings membership plus Banquet and Welcome Reception admittance.

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**

Nominations

(Continued from page 1 - Nominations)

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 Article 5.3, Bob Forfyflow succeeds to the position of President and Keith MacInnis becomes 1st Vice-President.

Under Article 4.1 Ania Anthony and Michel Paradis, the soon-to-be most recent past presidents, will continue as Directors.

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 2013 to November 2014. 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 2013 are Directors for British Columbia, Ontario and the Atlantic region and 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.

Ballots will be sent out in August, by mail to those receiving the Newsletter electronically and with the Newsletter to those receiving the Newsletter by mail.

Conference Registration (cont'd)

non-members includes membership in the Association for the year 2012. 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 2012 dues of \$185.00 plus applicable provincial/federal taxes are paid up by the 30th of September 2012, will be eligible for the member's discount conference fee rates. If a person's name does not appear on the membership list he/she will only be allowed to register at the member's discount rate until October 19th, 2012 if he/she can produce a current membership card. 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 19, 2012**. For those registering by post the envelope must be postmarked **October 19, 2012 or earlier**.

PROPOSED 2012 CONFERENCE PROGRAM

Saturday, November 17th, 2012

13:00 – 16:00	Workshop (see pg 5)
09:00 – 16:00	CTAA Board Meeting
16:00 – 18:00	CUPGA Management Committee Meeting
16:00 – 18:30	CTAA & CUPGA Registration
19:00 – 22:00	CTAA Director's Dinner

Sunday, November 18th, 2012

07:30 – 17:00	CUPGA & CTAA Registration
07:30 – 08:30	Breakfast - CUPGA
08:40 – 16:30	CUPGA Seminar
12:00 – 13:00	Lunch - CUPGA
19:00 – 22:00	CTAA Welcome Reception
22:00 – 01:00	Hospitality Suite

Monday, November 19th, 2012

07:00 – 10:00	Breakfast and Annual General Meeting
07:30 – 17:00	Conference Registration
10:00 – 15:00	CTAA Board Meeting
10:30 – 12:00	Technical Sessions
12:00 – 13:30	Delegate Lunch
13:30 – 16:30	Technical Sessions
14:30 – 15:00	Refreshment Break
17:00 – 18:00	CTAA Young Members (under 30) Reception
21:30 – 01:00	Hospitality Suite

Tuesday, November 20th, 2012

07:00 – 08:30	Breakfast
08:00 – 17:00	Conference Registration
08:30 – 12:00	Technical Sessions
10:00 – 10:30	Refreshment Break
12:00 – 13:30	Delegate Lunch
12:00 – 13:30	Past President's Lunch
13:30 – 16:30	Contractor's Workshop
15:00 – 15:30	Refreshment Break
18:00 – 19:30	Pre-Banquet Reception
19:30 – 23:00	Banquet
23:00 – 01:00	Hospitality Suite

Wednesday, November 21st 2012

07:00 – 08:30	Breakfast
08:00 – 13:00	Conference Registration
08:30 – 11:30	Technical Sessions

10:00 – 10:30	Refreshment Break
11:30 – 12:00	Awards Reception
12:00 – 13:30	Awards Lunch - Delegates & Accompanying Persons
13:30 – 16:30	Technical Sessions
16:30 – 18:00	Canadian Asphalt and Mix Exchange Program Meeting (immediately after the last paper)

There will be a “**Speaker's Preparation Room**” designated for presenters. Contact the registration desk, or any Local Arrangements Committee member for information and/or access to this room.

Proposed Accompanying Guest Program 2012

Saturday, November 17th 2012

16:00 – 18:30	Accompanying Guest Registration
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Sunday, November 18th 2012

07:30 – 18:00	Accompanying Guest Registration
19:00 – 22:00	CTAA Welcome Reception
22:00 – 01:00	Hospitality Suite

Monday, November 19th 2012

07:00 – 08:30	Welcome Breakfast
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This year the Accompanying Guest Program is filled with two spectacular cities. On Monday, enjoy one of North America's most scenic drives – The Sea to Sky Highway. Take in breathtaking views of majestic mountains against the Pacific Ocean while the road winds around some of the most beautiful natural wonders. Watch for sightings of bears and deer and look up to the sky for a spectacular showing of Bald Eagles. Arriving at Whistler, home of the 2010 Olympic Games (where Canada finally collected Gold at home!) guests will enjoy a delicious lunch at Caramba followed by some leisure time before returning back to Vancouver.

21:30 – 01:00	Hospitality Suite
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Tuesday, November 20th 2012

07:00 – 08:30	Breakfast
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Tuesday features Granville Island, surrounded by False Creek Harbour it is a wonderful collection of local artisans, fresh Pacific Northwest produce, seafood and specialty food. A delightful and colourful playground for locals and tourists alike, this tour includes a guided introduction by The Pacific Institute of Culinary Arts, a private lunch at the Bistro and plenty of time to stroll the wonderful galleries and market at your own pace.

18:00 – 19:30	Pre-Banquet Reception
19:30 – 23:00	Banquet
23:00 – 01:00	Hospitality Suite

(continued on page 5)

TENTATIVE 2012 CTAA TECHNICAL PROGRAM

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

Monday, Nov. 19th, 2012 - Morning Session: 10:00 a.m.

1. "Planning Minimizes Equipment Usage"
Terry Humphrey
2. "Cold In Place Recycling - A New Approach for the City of Calgary Asphalt Pavement Rehabilitation"
Mohammad Karim, Joe Chyc-Cies
3. "Correlation of Asphalt Concrete Mix Properties with Observed Roadway Performance"
Alan Reggin, Geoff Goodall, Art Johnston, Kevin Goldfuss
4. "Hydrated Lime - Key Asphalt Process Technique"
Michael Tate

Monday, Nov. 19th, 2012 - Afternoon Session: 13:30 p.m.

5. "New methodology for verification of the homogeneity of the bitumen in the production of warm mix asphalt using high rate of recycled asphalt pavement"
Julien Navaro, Ivan Drouadaine, Samuel Mendez and Marc Proteau
6. "In-Place evaluation of a High RAP WMA Pavement"
Ryan S. Clark, Dr. Chris Barnes
7. "Methods to Evaluate Aggregate Coating for Warm Asphalt Mixtures"
Daniel Swiertz, Ramon Bonaquist, Raul Velasquez, and Hussain Bahia
8. "Warm Mix Asphalt Binder Rheology and Longitudinal Joint Performance Evaluation: A British Columbia Study"
Daryl Finlayson, Riyad Islam and John D. Laxdal
9. "2010 Warm Mix Trials - City of Edmonton"
Hugh Donovan, Nawaz Panhwer and Jean-Martin Croteau
10. "Hydrated Lime and Lime Kiln Dust as additives for CIR and FDR materials treated with asphalt emulsion and foamed asphalt"
Éric Lachance Tremblay, Alan Carter and Michael Tate

Tuesday, Nov. 20th, 2012 - Morning Session: 8:30 a.m.

11. "Effect of Initial Surface Profile on the Thickness and Smoothness of a Single lift of HMA"
Alexander (Sandy) Brown
12. "Falling Weight Deflectometer and Life Cycle Costing Analysis of a Major Urban Arterial Roadway Rehabilitated Using a Foamed Asphalt Stabilized Base"
Christian Babuin, Bryan Palsat, Kevin Terness and Ed Clark
13. "Utilization of Roughness Data in a Pavement Rehabilitation Design and Post-Construction Evaluation"
Alan Reggin, Christian Babuin
14. "Urban Application of Perpetual Pavements - Case Study from BRT in York Region"
Ludomir Uzarowski, Andrew Balasundaram, Vimy Henderson and Leonard Ng
15. "Harmonization and Standardization of Intelligent Compaction Technologies for Practical Implementation"
Victor L. Gallivan, and George K. Chang

16. "Ontario's Experience with Hot on Hot Paving: A Canadian First"
Chris Raymond, Heather Beattie, Fernando Magisano, Anil Virini, and Stephen Lee

Tuesday, Nov. 20th, 2012 - Afternoon Session: 13:00 p.m.

17. "Experience with Asphalt Laboratory Certification in Western Canada"
Nabil Kamel, Allan Maynard, Chris Rogers and Gib McIntee

Contractor's Workshop "Partnering for Innovation on Projects"

Future Meetings

2013 - St. John's, NF
2014 - Winnipeg, MB
2015 - Ottawa, ON

Wednesday, Nov. 21st, 2012 - Morning Session: 8:30 a.m.

18. "Characterization and Pavement Performance of PG Binder using Re-Refined EOR as an Additive"
Steve Lewis, Alexander (Sandy) Brown, Kenneth (Ken) Grzybowski
19. "The Role of Asphalt Binder Fracture Properties in Thermal Cracking Performance"
Hussain Bahia, Raul Velasquez and Hassan Tabatabaee
20. "Transition to Superpave Performance Grades in Western Canada"
Pavel Kriz, John H. Brownie and Steven E. Dickson
21. "Determining Quantity of RAP in HMA in Ontario - Phase 1"
Xiomara Sanchez, Susan L. Tighe, Vince Aurilio and Seyed Tabib
22. "Evaluation of Effect of Recycled Asphalt Shingles on Ontario Hot Mix Pavement"
Shirley Ddamba, Susan L. Tighe, Ryan Essex and Narayan Hanasoge

Wednesday, Nov. 21st, 2012 Afternoon Session: 13:30 p.m.

23. "Mechanistic Performance of Reclaimed Asphalt Pavement Materials as a Base Layer"
Rielle Haichert, Diana Podborochynsk, Ania Anthony and Curtis Berthelot
24. "Laboratory Investigation of Environmental Impact on Perpetual and Conventional Pavement Designs"
Mohab Y. El-Hakim, Susan L. Tighe
25. "End result asphalt pavement specifications for P3 projects - Benefits for the Operator and Contractor"
Graham Clark
26. "Low Temperature Cracking Performance: Relationship of Asphalt Binder Properties to Cracking in Five Year Old Test Sections"
Gerald Huber, Pamela Marks, Alexander Brown and Chris Raymond

Proposed Accompanying Guest Program *(cont'd.)*

(continued from page 3)

Wednesday, November 21st 2012

07:00 – 08:30 Breakfast

The Dr. Sun Yat Sen Chinese Garden will wrap up the guest program on Wednesday morning as those attending enjoy a guided tour through the beautiful classical Chinese Garden, an oasis in the middle of urban Vancouver.

With trendy hot spots such as Whistler and Vancouver, this program is guaranteed to fill up fast, so register early to secure your space!

11:30 – 12:00 CTAA Awards Luncheon Reception

12:00 – 13:30 CTAA Awards Luncheon, Delegates and Accompanying Persons



Accompanying Guest program 2011 provided an opportunity for participants to learn more of the history of the region.

And always an opportunity to enjoy good food unique to the Region in which the conference is held.



2012 CTAA WORKSHOPS

Smoothness of Pavements

Presenter

Darel Mesher
*EBA Engineering Ltd,
(A Tetra Tech Company)*

Saturday, November 17, 2012
1:00 am to 4:00 pm

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

Pavement smoothness is the leading indicator of pavement condition to the user, and to the owner. This workshop will examine various aspects of smoothness measurement and assessment for asphalt pavements and provide insight for the contractor and specifiers to help achieve appropriate smoothness.

- ◇ ***Inertial profiler measure – how does that black box work***
- ◇ ***Working with the profile – ProVal, filters, and gain curves – what does it mean to me***
- ◇ ***Calculating the International Roughness Index – it is just a car model***
- ◇ ***Improving smoothness by understanding what is being measured – wavelengths of the existing road, created by the paver, and truck bumps***
- ◇ ***IRI versus Profilograph – two different measures***
- ◇ ***Using profile data to improve paving (Case Studies)***

The workshop will be presented by Dr. Darel Mesher, Chief Technology Officer with EBA Engineering Limited (a Tetra Tech Company). Darel has been instrumental in Western Canada initiating and delivering inertial profiler services to highway agencies and other clients and providing insight and education on the technology and implementation and integration of the technology on multiple platforms. Darel's in-depth knowledge of the nuances of inertial profiling, the significance of accurate location referencing, the practical impact of both combined with his unabashed passion for sharing this with peers and colleagues will make this a must-attend workshop. The workshop will be of interest to agency staff, contractors and consultants who want to better understand smoothness measurement and how paving operations can affect the final product.

The LAC Committee and the Board of Directors are looking forward to meeting you at the

57TH ANNUAL CONFERENCE

IN VANCOUVER, BRITISH COLUMBIA

CTAA Scholarships

The Canadian Technical Asphalt Association is offering two annual scholarships to support students preparing for careers as scientists, technologists or engineers in the general area of asphalt paving technology.

Applications complete with posters are sent to over 50 universities and colleges in the Spring and this year we had over 24 submissions.

CTAA Open Scholarship

Valued at \$2,000

The CTAA Open Scholarship will be presented to a student who has been admitted into, or is currently enrolled in, a technical college or a university program leading to a diploma, undergraduate degree, or 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 Asphalt Industry Scholarship

Valued at \$2,000

The CTAA Asphalt Industry Scholarship will be presented to a student who has been admitted into, or is currently enrolled in, a technical college or a university program leading to a diploma or 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. 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

CUPGA

As in previous years, the **CUPGA** session will be held on Sunday (November 18th) of the CTAA annual conference. An agenda is included with this newsletter. Please note that **CUPGA registration fee** is a **separate** item **on** the

Facebook, LinkedIn, and the Web Site

Steve Goodman
Editor/ Communications Manager

By now you should have received separate invitations to join the CTAA Linked In page and the CTAA Facebook page and for those who have not, please take this as your invitation. The Board of Directors has determined that a social media presence will increase the amount of Association information that members (and potential members) may access, as well as the speed at which the information may be posted and made available.

The Board has tasked me to take on an expanded role, which in addition to Proceedings Editor, will involve greater communications and publicity responsibility. Creation and maintenance of the Linked In and Facebook pages is one aspect of this new role.

Many of you are already aware of the benefits of social media and have joined the respective

MEMBERS ONLY PAGE

New sign in procedures for the “**Members Only Page**”

Your **member number** is now the user name and your **last name** is your password. Both are now case sensitive.

pages. Thanks very much for your support of the Association and I look forward to posting new and relevant information on a routine basis. The pages also allow for asphalt-related discussions and polling, so let's be sure to take advantage of these features so that all members may benefit.