



Canadian Technical Asphalt Association

Items of interest

- Conference Details
- Program Summary
- Conference Program
- Abstracts (as a link below and on the website.)
- Guest Program (on website)

Inside this issue:

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Conference Links

- ◆ Online Conference Registration
[requires login](#)
[English](#) [French](#)
 (to fax or mail)
- ◆ [Abstracts](#)
 (English only)
- ◆ 2017 Call for Papers
[English](#) [French](#)
- ◆ Nomination Form
[2017-18](#)
 (requires login to Member's Page and in English only)
- ◆ [Hotel Reservation](#)
 (direct link to the hotel)

2016 CONFERENCE & AGM

The 2016 Conference & AGM will be held at the Fairmont Banff Springs in Banff, AB, Nov 13-17.

The program planned for this year is expected to be as interesting and thought provoking as programs from previous years. The Canadian Technical Asphalt Association exists for these conferences and the Proceedings generated therefrom. The Local Arrangements Committee has been planning the entire program for over two years and looks forward to welcoming a large number of existing members, new members and guests. Please support your Association by attending the 2016 Conference in Banff, AB. Check our website at www.ctaa.ca and click on Conference for conference news and updates, and be sure to check out the sponsors tab as well.



A bird's eye view from the Banff Springs Hotel

For those receiving this newsletter electronically, please note that the following forms have been posted on the web site (*links to the left of this article*):

- Conference Registration form
- General Call for Papers for the 2017 Conference in Halifax, NS
- 2017/18 Nomination Form
- Abstracts

These forms along with a ballot and return envelope have been included with the package to those members receiving the Newsletter by post and for those receiving the Newsletter electronically, the nominee list, ballot and return envelope have also be mailed.

Conference Fees - REMINDER

The conference registration form provides an outline of the fees for this year's conference. Why not save **\$50 by registering early, before October 21, 2016**. If your choice is to register by post, the envelope must be postmarked **October 21, 2016 or earlier**. For those attending the conference as a non-member **please note** the registration fee includes your membership to **December 31, 2016**. Membership is based on a **calendar** year.

The Online Conference Registration and direct link to reserve your room at the hotel are now available. By logging into the Members Area of the web site your form will auto-populate with your contact information. Be sure to check it for accuracy. The online conference registration sends you a receipt as soon as you have finished processing your payment. Head Office will also mail a receipt showing the breakdown of your registration. American Express is now available as a payment option. **To make changes to your online registration, please contact Head Office as the payment system will give an error message indicating a duplicate id.**

*See you in **BANFF!***

Nominations

In accordance with By-Law No. 1, Section 5.02, a list of nominees and the ballot has been mailed to all members. The position for Québec Director requires a vote this year and the biographies of the nominees, Véronique Szabo and Roxana Balba, follow on pages 3 and 4.

The 2016-17 Board members, some continuing and some by acclamation, are as follows:

CONTINUING BOARD MEMBERS



President
Todd Strynadka



Past President
Hugh Donovan



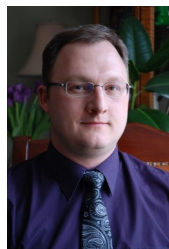
Past Past President
Alan Carter



1st Vice-President
Nabil Kamel



Alberta
Roman Stefaniw



Atlantic
Ryan Clark



Ontario
Michael Esenwa

BY ACCLAMATION



2nd Vice-President
René Dufresne



British Columbia
Jason Herring



Prairies & Territories
Rielle Haichert

All members will receive ballots by mail in during the week of August 15th. The ballot will be included with the August Newsletter to those who traditionally receive the Newsletter by mail.

To assist the CTAA Nominating Committee with next year's nomination process, 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 2017 to November 2019. **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 2017 are Directors for Alberta, Ontario, Atlantic Provinces 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.

Nominees 2016-17 - Director - Québec



Véronique Szabo, Ph.D..

Education:

- 2002 Ph.D. in Chemical Engineering, Laval University, Québec (QC), Canada
- 1997 Master in Chemical Engineering (D.E.A.), P. et M. Curie Paris VI University/ ENSPM (Petrol and Engine National High School: IFP School), France
- 1996 Bachelor Degree in Chemistry and Organic Chemistry, Rouen University, France

Work Experience:

- 2009 to present: R&D Manager, Suncor Energy
- 2005-2009 Asphalt R&D Specialist, Petro-Canada/Suncor Energy
- 2001-2005 R&D Manager, Environmental Catalysis and Technical Support, Nanox Inc.
- 1998-2001 Research Assistant, Laval University

Membership & Related Activities:

- Member of CTAA since 2005
- Member of Bitume Québec since 2005, involved in few committees
- Member of Transportation Research Board since 2005
- Member and Technical Representative of OHMPA since 2009
- Member of Asphalt Institute since 2005; as Technical Representative since 2009 until 2015

What are the candidate's reasons for running for a Board position?

I wish to submit my candidacy to become the CTAA Director representing Québec. It is my desire to become more involved with this organization and feel that my knowledge and experience will greatly contribute to it and its ultimate goal of improving our Canadian and Québec roads. As Asphalt R&D Manager within Suncor for over 12 years, I have been involved in all asphalt aspects as well as crude oil testing and impacts on asphalt. My involvement in many other related associations (Bitume Québec, OHMPA, TRB) make me a well-known industry resources.

As Director for Quebec, I would bring my usual energy and constant smile. I wish to continue to grow with the Association and strongly believe that the benefits would be mutual, bringing my perspectives and ideas through the Board and my support for the student developments regarding asphalt technology through knowledge transfer. I also have the full support from my employer for this endeavour, himself being an ardent CTAA devotee, fully understanding the required work and commitment of such involvement.

Nominees 2016-17 - Director - Québec



Roxana Balba

Education:

1995 – 2000 – Bachelor's Degree in Industrial Engineering

Polytechnic University of Timisoara, Romania – Faculty of Industrial Chemistry and Environmental Engineering

2001 – 2003 – PhD (non-completed)

Polytechnic University of Timisoara Romania – Faculty of Industrial Chemistry and Environmental Engineering

2003 – 2006 – Master's Degree of Construction Engineering (M.Eng.)

University of Quebec at Montreal, « École de Technologie Supérieure », Construction Engineering Department

Work Experience:

1999 Bayer AG, Germany
Lab technician

2000 – 2003 National Road Administration, Timisoara – Romania
Chemical Engineer / Project Manager

2005 Laboratoire de Construction 2000, Laval - Quebec
Construction inspector, (materials QC)

2005 – 2009 Saramac Inc., Terrebonne – Quebec
2005 - Construction plans designer
2007 - AC/QC – R&D junior engineer

2009 – 2012 LVM Inc. – Materials engineering, Laval – Quebec
Project manager
SM Group International, Montreal – Quebec
Project manager

2012 to present McAsphalt Industries Limited, Montreal - Quebec
Manager - Technical Services

Membership and Related Activities:

Member, CTAA since 2012

Member, OIQ (Ordre des ingénieurs du Québec)

Member, ASTM International

What are the candidate's reasons for running for a Board position?

For 5 years I have been a CTAA member and I appreciate the educational opportunities CTAA offers to its members. I hold a Bachelor's degree in Chemical Engineering and a Master degree in Construction Engineering with emphasis on laboratory testing to distinguish the nature and the origin of reflective cracking in the pavement in the Province of Quebec.

During my years as a project manager performing tasks and activities related to the control and inspection of materials to ensure their quality and prolong their useful life, I acquired knowledge and experience that I would share with the industry. In addition, for the past 4 years I have been working in the manufacture of bitumen and bituminous emulsions and involved in research projects aimed at improving McAsphalt products, services as well as develop best practices related to the asphalt.

Because of participating in Bitume-Québec technical committees, I have knowledge of Québec issues and those of other provinces. Presenting technical papers at technical seminars/training sessions form part of my responsibilities with Bitume-Québec or other (employer - client).

In my new role if elected, as CTAA Director representing Province of Québec, I will have the support of my employer who is himself an ardent supporter of CTAA. I will encourage and support student development in asphalt technology through transfer of knowledge, giving them the opportunity to learn, share and grow in the industry.

Delinquent Members

Members who have not paid their **2016** annual dues are reminded that all those persons whose dues were in arrears on **July 31, 2016**, have had their names placed on the **delinquent** membership list. They will cease to be eligible for membership privileges such as receiving copies of the 2016 Conference Proceedings, voting on letter ballots such as the election of the Director for Québec, having their names published in the 2016 Conference Proceedings and the Conference app. **Payment can be made [online by clicking here](#).**

Any member whose dues for **2015 and 2016** remain unpaid on **July 31, 2016**, are now 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 2016 Proceedings.

Conference Registration

The Conference registration forms has been posted on the web site. Please follow the links in the email advising members of this Newsletter . The conference registration form is included with the Newsletter for those receiving same by mail. 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 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, and the complete Association conference, Sunday night to Wednesday afternoon. There is a **small fee of \$65**, as usual, **for the course on Sunday morning**.

Registration for the conference can be made by mail, fax or on-line. 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 young members 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.

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 also be made by faxing or mailing your registration form to the office. Providing credit card information over the phone is still accepted.

CALL FOR PAPERS 2017

You will note that we have included a **"Call for Papers" for the 2017** Conference with the Newsletter mailed out and have provided links in the electronic version. Please seriously consider committing to our program next year.

The timely submission of abstracts is critical to both assembling a quality program and allowing sufficient time for authors to prepare and submit their papers to the Editor by the required date. Your cooperation in meeting the deadline below is certainly appreciated by the Board, the Technical Program Committee and the Editor.

IMPORTANT DATES

Abstract Submission
Notification of Abstract Status
Full Paper Submitted to Program Committee

February 10, 2017
March 3, 2017
May 31, 2017

TENTATIVE 2016 CTA A CONFERENCE PROGRAM

(Abstracts available on the web site.)

Monday, Nov. 14th, 2016

Morning Session: 10:00

1. **New Technology Uses Renewable Resources to Improve Asphalt Paving Preservation Sustainability**
Everett Crews
2. **Mechanistic Evaluation of Warm Mix Additives on Strength and Durability of Typical Ontario Superpave Surface Mixtures**
Sina Varamini, Susan L. Tighe
3. **Understanding Physical Hardening in Asphalt Materials and Pavements – a literary review**
Steve Manolis, Anton S. Kucharek, W. Keith MacInnis, Alexander (Sandy) Brown
4. **Using Asphalt Binder Properties as an Indicator of Oxidative Aging and the proper timing of preventative maintenance for asphalt pavements**
R. Michael Anderson, Phillip B. Blankenship, Gayle N. King

Monday, Nov. 14th, 2016

Afternoon Session: 13:30

5. **Determination of Mixing and Compaction Temperatures of Modified Asphalt Cements and a Limited Investigation of the Effect on Superpave Volumetric Mix Design Properties**
Alexander (Sandy) Brown
6. **An Evaluation of Asphalt Binder Content**
Bill Pine, Gerald Huber
7. **A paving solution to minimize airport down time while providing resistance to surface deformation: Calgary Airport**
Simon Pianarosa, Curt Slawinsky, Jean-Martin Croteau, Ted Harrison, A.G. (Art) Johnston, Florence Leroy-Mallol
8. **Case Study on Six Year Performance of Pavement Constructed with Modified Binder Meeting Extended BBR and DENT Criteria**
Steve Manolis, Salman Bhutta, Vince Aurilio, Selena Lavorato, Garry Bates

9. A Novel Approach to Mitigating Studded Tire Abrasion

Tonya Burritt, Bob Kluttz, Chris Lubbers

10. Chemical bonded asphalt for improved adhesion performance

Geoffrey M. Rowe, Ajay Ranka, Tom Dziedziejko, Jerry Thayer, Doug Zuberer

Tuesday, Nov. 15th, 2016

Morning Session: 08:30

11. Top-down longitudinal cracking phenomenon detection with thermal imaging

Martin Lavoie, Félix Doucet

12. It's not the Asphalt, it's YOUR Fault: Quality and Innovative Asphalt Paving at the Petersburg, Alaska airport

Amanda Gilliland, Robert Trousil

13. Non-Destruction Testing of Cold In-Place Recycled Materials at Very Young Age

Quentin Lecuru, Alan Carter, Yannic Ethier

14. Alberta Transportation's Experience with Cold-In-Place Recycling

Mohammad Karim, Dominique Grell, Kimberley Edmunds, Jim Gavin

15. Comparison between lab and field performance of Cold In-Place Recycling (CIR) and Cold-In-Place Recycling with Expanded Asphalt Mixture (CIREAM)

Janki Bhavsar, Susan Tighe, Michael Esenwa, Amma Wakefield, Dave Anderson

16. Understanding Frost Heave Cycles on Flexible Pavements: A case study of Montreal

Hala Zalouk, Bissan Eid, Mohamad-Kenan Al-Rijleh, Luis Amador Jimenez

Tuesday, Nov. 15th, 2016

Contractor's Workshop

13:30 - 16:30.

Wednesday, Nov. 16th, 2016

Morning Session: 08:30

17. The Importance of Asphalt Mixes Air Voids on the Damage Evolution During Freeze-Thaw Cycles

Saeed Badeli

18. Pavement Distress Forecasting and Performance Model Development for the Concession of the South Fraser Perimeter Road

Bryan Palsat, Alan Reggin, Martina Riessner, Ian Galsworthy

19. Innovative Testing of Ontario's Asphalt Materials,

Pamela Marks, Seyed Tabib, Anne Holt, Imran Bashir

20. Customized Municipal Asphalt Specifications - Experience with the First Year of Implementation

Ludomir Uzarowski, Gary MacDonald, John Rizzo, Dan Waechter, Vimy Henderson

Wednesday, Nov. 16th, 2016

Afternoon Session: 13:30

21. High Float Emulsion Residue: Its Unique Rheology and Microstructure

Justin Suda, Anthony Yeung

22. Comparative Study of the Laboratory Performances of Hot Mix Asphalt with 10% Glass Aggregates

Alexandre T. Bachand, Éric Lachance-Tremblay, Michel Vaillancourt, Daniel Perraton

23. Laboratory Evaluation of Moisture Susceptibility of Different Cold Patching Materials

Md Hasanuzzaman, Leila Hashemian, Alirez Bayay

Conference App available to registered delegates!

Once you are registered you can access the new conference App. Check out the conference tab at www.ctaa.ca

2016 CTAA Scholarship Winners

Each winner will receive a scholarship of **\$2,000** to be used towards their continuing education. Because of the generous donations made over the years CTAA is now able to offer three scholarships. You can help future students to receive our scholarships by donating when you register for the conference or when you pay your dues.

Undergraduate Scholarship



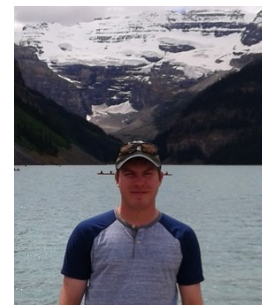
Jonathan Flanagan
University of New Brunswick

Graduate Scholarship



Marc-André Bérubé
École de technologie supérieure

Applied Technology Scholarship



Jack Ready
Mohawk College

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.

2016 CTAA Course

Sunday November 13, 2016
8:30 am to 12:00 pm

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

In this course, Todd Mansell will present proper paver setup and planning for achieving exceptional smoothness results. Todd brings practical experience working for a Ministry of Transportation, an engineering consulting firm, a paving contractor and two equipment manufacturers to relate smoothness specifications and results to equipment capability and recommended paver setup to achieve the desired smoothness results. The principles of how a paver and screed work and their proper setup for a smooth transverse joint will be covered, followed by the fundamentals of automatic grade and slope controls and setup to achieve smoothness on mainline paving. Factors that affect smoothness such as paver speed, operator technique, trucking and other aspects of construction practices and equipment will be covered. Rollers are the final piece of equipment that can affect smoothness. How the compaction process affects smoothness will also be covered. The session will wrap up with a high level overview of some different smoothness specifications from across Canada and the US with some things to consider when including, modifying or writing smoothness specifications. Some case studies with results will be presented and the session will conclude with a checklist for troubleshooting smoothness results.

This short course will be of interest to anyone interested in the practical aspects of pavement smoothness from specification writers to paving crew members. Sharing of experiences and open questions throughout the short course is encouraged.

- Principles of how a paver and screed work
- Proper paver setup for taking off and achieving a smooth transverse joint every time
- Fundamentals of Automatic Grade & Slope controls
- Proper setup of automatic grade control systems to achieve desired results
- How paver speed, trucking, equipment selection and other logistics operations affect smoothness results
- How Compaction Affects Smoothness
- High level overview of some different smoothness specifications across North America
- Things to consider when including, modifying or writing smoothness specifications

(cont'd on page 8)

2016 CTAA Course (Cont'd.)

(cont'd from page 7)

- Field measured results – a few case studies of specs and results
- Troubleshooting smoothness

TODD MANSELL -Training Consultant Caterpillar Global Paving Products

Todd is a civil engineer who graduated from Lakehead University in Thunder Bay, Ontario and later obtained his MBA from Santa Clara University in California. Mr. Mansell is currently employed by Caterpillar Global Paving Products in Maple Grove, Minnesota, where he provides asphalt paving and compaction training for Caterpillar customers.

Over the past several years, Todd has been involved in the application and development of asphalt compaction and smoothness specifications and has worked closely with the Federal Highway Administration (FHWA) in the US with the development and advancement of intelligent compaction specifications and equipment. Work experience since 1987 includes asphalt laboratory testing and mix design, density testing, rolling patterns, field inspection and QA/QC testing and management. Past employers include the Ontario Ministry of Transportation, EBA Engineering Consultants, Grubbs, Hoskyn, Barton & Wyatt Inc., Granite Rock Company and Sakai America.

Todd is a member of the American Association of Asphalt Paving Technologists (AAPT), National Asphalt Pavement Association (NAPA), International Society for Asphalt Pavements (ISAP), and the Canadian Technical Asphalt Association (CTAA).

Tentative CUPGA Program

CUPGA 2016 WORKSHOP PROGRAM

Sunday, November 13, 2016

12:00 Lunch and Networking

13:00 Welcome & Introduction:

Rielle Haichert, CUPGA Chair

13:10 Cold in Place Recycling – The State of Practice Across Canada

Session Chair: Selena Lavorato, CUPGA 2nd Vice

Reports from Regional Directors (10 minutes each)

British Columbia – Jason Herring

Alberta – Roman Stefaniw

Prairies Provinces & Territories – Rielle Haichert

Ontario - Michael Esenwa

Quebec – René Dufresne

Atlantic – Ryan Clark

14:15 Refreshments and Networking Break

14:45 Updates to Asphalt Cement Specifications: MSC R (20 minute presentation, 10 minute discussion each)

Session Chair – Frank Liu, CUPGA 3rd Vice

- ◆ MSCR Implementation into Specification, Consultant Perspective – *Abdul Elkadri*
- ◆ Experience with MSCR Implementation into Specification, Agency Perspective – *Pamela Marks*
- ◆ Binder Modification and MSCR Specification, Supplier Perspective – *Brent Lambden*

16:15 Closing Comments - Nawaz Panhwer, Incoming CUPGA Chair

- Introduction of next year's CUPGA Executive
- Collection of Survey Forms.



Don't forget to bring your swimsuit for your exercise break!

Future Meetings



2017

Regina, SK—2018

