



# 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

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

## CONFERENCE 2015

The 2015 Conference will be held at the Fairmont Château Laurier in Ottawa, ON.

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 entertaining a large number of existing members, new members and guests. Please support your Association by attending the 2015 Conference in Ottawa, ON. Check our website at [www.ctaa.ca](http://www.ctaa.ca) and click on Conference for conference news and updates.

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*):

- Hotel Registration form
- Conference Registration form
- General Call for Papers for the 2016 Conference in Banff, AB
- CUPGA Program
- 2016/17 Nomination Form
- Abstracts



Welcome Reception will be held at the relatively new (2005) Canadian War Museum  
 On Sunday, November 15, 2015

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

## Conference Fees - REMINDER

The conference registration form provides an outline of the fees for this year's conference. The **early bird** registration fee offers a **\$50 discount until October 16<sup>th</sup>**. For those registering by post, the envelope must be postmarked **October 16<sup>th</sup> or earlier** to receive the same discount. For those attending the conference as a non-member **please note** the registration fee includes your membership to **December 31, 2015**. The membership term is based on a **calendar** year.

The Online Conference Registration and a direct link for the hotel reservations are now available. The online conference registration sends you a receipt as soon as you have finished processing your payment. American Express is now available as a payment option. **Should you need to make changes to your online registration, please contact the office as the payment system will give an error message indicating a duplicate id.**

**See you in OTTAWA!**

# 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 Ontario Director requires a vote this year and the biographies of the nominees, Michael Esenwa and Ludomir Uzarowski, follow on page 3.

The 2015-16 Board members, some continuing and some by acclamation, are as follows:

## CONTINUING



**President**  
**Hugh Donovan**

## BOARD MEMBERS



**Past President**  
Alan Carter



**Past Past President**  
Keith MacInnis



**1st Vice-President**  
Todd Strynadka



**British Columbia**  
Jason Herring

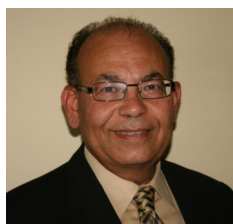


**Prairies & Territories**  
Rielle Haichert



**Québec**  
René Dufresne

## BY ACCLAMATION



**2nd Vice-President**  
Nabil Kamel



**Alberta**  
Roman Stefaniw



**Atlantic**  
Ryan Clark

All members will receive ballots by mail in late August or early September. The ballot will be included with the August Newsletter to those who traditionally receive 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 2<sup>nd</sup> Vice President. The Nomination form is posted on the web site. Please note that those being nominated for 2<sup>nd</sup> Vice President should have had previous Board experience.

## Nominees 2015-16 - Director - Ontario

### Michael Esenwa, P.Eng.

**Education:**

Bachelors Degree in Civil Engineering,  
Rivers State University of Science & Technology, Nigeria

**Work Experience:**

2009 to Present     *McAsphalt Industries Limited*  
Manager Technical Services

2000 to 2009     *Lafarge Canada Inc/Warren Bitulithic*  
2005 - Regional Quality Supervisor  
2001 - Laboratory Supervisor  
2000 - Lab Technician

1993 to 1999     *Louis Berger Inc., Nigeria*  
Highway Engineer

1990 to 1992     *Ove Arup and Partners, Nigeria*  
Civil/Structural Engineer


**Membership and Related Activities:**

Member, CTAA since 2003  
Member, Ontario Society of Professional Engineers  
Member, Nigerian Society of Engineers  
Lecturer, Ontario Good Roads Association (OGRA), Scott MacKay Bituminous Technology Course

### Ludomir Uzarowski, M. Sc., P. Eng.

**Education:**

2006 Ph.D., Pavement Engineering, University of Waterloo, Ontario  
1994 Master of Science, University of Nottingham, United Kingdom  
1974 Master of Science, Gdansk Technical University, Poland

**Work Experience:**

2015 to Present     *Golder Associates Ltd.,*  
Principal and Senior Pavement and Materials Engineer

- Pavement design
- Pavement evaluation using FWD and GPR
- Asphalt technology including Superpave
- Quality control/quality assurance
- Research and development of new technologies

1994 to 2003     *John Emery Geotechnical Engineering Limited*  
Principal Pavements and Quality Engineer

1990 to 1994     *Sir Owen Williams and Partners*  
*London, United Kingdom*  
Pavement Engineer

1988 to 1990     *National Consulting Bureau, Tripoli, Libya*  
Pavement and Quality Control Engineer

1975 to 1988     *Highway Region in Kartuzy, Poland*  
Manager of Highway Construction


**Membership and Related Activities:**

Member, CTAA since 1995  
Member, Association of Asphalt Pavement Technologist (AAPT) since 1990

- Authored and Coauthored over 25 CTAA technical papers
- Coauthor of 28 technical papers published in Canada, US, UK, France and China
- Over 120 technical presentations on pavement and materials technology in Canada, US, France, China and Japan.

## Delinquent Members

Members who have not paid their **2015** annual dues are reminded that all those persons whose dues were in arrears on **July 31, 2015**, 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 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](http://ctaa.ca).**

Any member whose dues for **2014 and 2015** remain unpaid on **July 31, 2015**, will be considered **suspended**; their name has been 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

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 of \$60**, 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.

### 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.*

## CALL FOR PAPERS 2016

You will note that we have included a **"Call for Papers" for the 2016** 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 especially the Editor.

### IMPORTANT DATES

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

**February 12, 2016**  
**March 4, 2016**  
**May 20, 2016**



## 2015 CTA A CONFERENCE PROGRAM

(Abstracts can be found on the web site.)

### Monday, Nov. 16<sup>th</sup>, 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**  
*Sayed 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. 16<sup>th</sup>, 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. 17<sup>th</sup>, 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. 17<sup>th</sup>, 2015 Contractor's Workshop Challenges of Paving in Urban/Rural Areas 13:30 - 16:30.

## Future Meetings

2016 - Banff, AB  
2017 - Halifax, NS

### Wednesday, Nov. 18<sup>th</sup>, 2015 Morning Session: 08:30

17. **Field Evaluation of Pavement Preservation Treatments Incorporating Stress Absorbing Membrane Interlayer Technologies**  
*Rhiannon Arsenault, Terry McCann, Steve Goodman*
18. **Five Year Performance of Quiet Asphalt Pavement Test Sections on Highway 405 Ontario**  
*Heather Beattie, Seyed Tabib, Pamela Marks, Chris Blaney*
19. **Six Year Performance of Ontario's Freeway Fibre and Polymer Modifier Trial Project**  
*Anne Holt, Pamela Marks*
20. **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. 18<sup>th</sup>, 2015 Afternoon Session: 13:30

21. **Green Pavement Technologies are Sustainable Only if they Deliver Acceptable Performance**  
*Dr. Ludomir Uzarowski, Dr. Michael Maher, Dr. Susan Tighe*
22. **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*
23. **Improving the Fatigue-Resistance for Hot Mix Asphalt Surface Course Mix**  
*Magdy Shaheen, Dr. Susan Tighe, Dr. Adil Al-Mayah*
24. **Complex Modulus and Fatigue Performances of a GB20 Mix Incorporating High Percentage of Reclaimed Asphalt Pavement (40%)**  
*Asmaa Basueny, Alan Carter, Daniel Perraton*

## 2015 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.



*Marc-André Bérubé*  
*Ecole de technologie supérieure*

Undergraduate Scholarship



*Arbia Garfa*  
*Ecole de technologie supérieure*

Graduate Scholarship



*Jonathan Flanagan*  
*New Brunswick Community College*

Applied Scholarship

**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.



*The cover of the 2015 Proceedings*

## ***2015 CUPGA Program (Tentative)***

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 2<sup>nd</sup> 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 – Ken MacIntyre

**15:15 *Refreshments and Networking Break***

**15:30 Positive Impacts and Challenges of Asphalt Cement Modification (cont'd.)**

Municipal Owner Perspective – Gary Moore  
Agency Perspective – Pamela Marks

**16:30 Closing Comments**

**Rielle Haichert, Incoming CUPGA Chair**  
**Introduction of next year's CUPGA Executive, Collection of Survey Forms.**

### ***Year End has Come and Gone*** ***A report from your Secretary Treasurer***

As most members know, June is the year end for CTAA books. What most of you may not know is the work that is done to finalize the year end books so they can be sent for review to our accountants.

As one new to the job I travelled to Victoria this month to sit down with our office administrator, Kathy Fyfe and our Secretary-Treasurer Emeritus, Bob Noble, to go through the process and make sure I am aware of all of our processes.

During our meetings, Kathy walked me through the process in my language, from paying an individual bill for things like telephone, office rent, postage, printing, etc., etc., (Did you know that our CTAA office issues 132 cheques each year just to keep things running smoothly!).

I was given a crash course in Sage 50 (or Simply Accounting may be a more familiar name) to see how we track payments and income, and GST and PST and HST. We get to claim back most of our GST paid out and most years get a refund, although not always.

We have scholarship money in investment certificates and have to balance across our accounts to make sure the dollars are appropriately accounted for prior to sending it all off for review. We also track deferred income when conference donations or payments come in prior to the year end, and accrue expenses for the conference that will be held in the next fiscal year.

When all is said done, we present the balance sheet at the AGM at the conference, which although sometimes confusing, helps to report to the membership the financial standing of our Association.