



Canadian Technical Asphalt Association

Of Special Interest

- Biographies of Nominees for Board positions
- Membership Information
- Call for Papers

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2012 CTAA Conference

The 2012 Conference is being held at the Westin Bayshore in Vancouver.

The program planned for this year should be most interesting and thought provoking. 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 look forward to entertaining a large number of existing members, new members and guests. Please support your Association by attending the 2012 Conference in Vancouver, BC. Check our website at 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 in bottom box on page 1*):

- Conference Registration form
- Hotel Registration form
- 2013/14 Nomination Form
- General Call for Papers for the 2013 Conference in St. John's, NL
- CUPGA Program

- Abstracts

These forms except the abstracts are included with the package to those members receiving the Newsletter by post.

Conference Fees - REMINDER

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 **after October 19, 2012**. For those registering by post the mail must be postmarked **October 19, 2012 or earlier**.

SEE YOU IN VANCOUVER!



*Museum of Anthropology on Northwest Marine Drive, one of the many attractions near the Westin Bayshore.
(Picture courtesy of the Museum's web site.)*

Election of Officers

In accordance with By-Law Article 6.3, a list of candidates proposed for election by the Nominating Committee was mailed to all members. The list of the new Board members and nominees follows:

President

Bob Forfylyow

1st Vice-President

Keith MacInnis

2nd Vice-President

Alan Carter

By acclamation

British Columbia

Todd Strynadka

Prairies

Hugh Donovan

By acclamation

Ontario

Nabil Kamel

Québec

René Dufresne - Nominee
Catherine Lavoie - Nominee
Véronique Szabo - Nominee

Atlantic Provinces

Mark Downie

Past President

Ania Anthony

Past Past President

Michel Paradis

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BALLOTS

Ballots and a return envelope have been mailed to all members which we would appreciate receiving back at the CTAA office not later than **October 31, 2012**.

Election of Officers 2012 Nominees

Director - Québec

René Dufresne

No Photo Available

Education

Majored in Applied Sciences from
CEGEP de Trois-Rivières

1975 – Baccalaureate, Chemical
Engineering from École-
Polytechnique

Work Experience

2010 to present – Bitumar – Lab
Manager and Senior Techni-
cal Advisor

1976 - 2009 – Petro Canada, last
position held, Manager, Asphalt
Sales and R&D

Membership

Member, of CTAA since 2000

President, CUPGA in 2008

Member, Ordre des ingénieurs du
Québec

Member, ASTM

Member, Technical and Training
Committees of Bitume- Québec

Director - Québec

Catherine Lavoie



Education

Masters Degree, Geology, Laval
University, Québec City

Bachelor Degree, University of
Quebec, Chicoutimi

Work Experience

2007 to Present – Executive and
Technical Director, Bitume Qué-
bec

Membership and Related Activities

Member, Ordre des ingénieurs du
Québec since 1993

Member, Canadian Technical
Asphalt Association since 2007

Member, PIARC since 2008

Director - Québec

Véronique Szabo

No Photo Available

Education

2002: Ph.D., Chemical Engineering,
Laval University, Québec (Qc),
Canada

1997: Master, Chemical Engineer-
ing (D.E.A.), P. et M. Curie
Paris VI University/ ENSPM
(Petrol and Engine National
High School: IFP School),
France

1996: Bachelor Degree, Chemistry
and Organic Chemistry, Rouen
University, France

Work Experience

2009 to present: Asphalt R&D
Manager – North America,
Suncor Energy

2005-2009: Asphalt R&D Specialist,
Petro-Canada/Suncor Energy

2001-2005: R&D Manager, Environ-
mental Catalysis and Techni-
cal Support, Nanox Inc.

1998-2001: Research assistant,
Laval University

Membership and Related Activities

Member, of CTAA since 2005

Member, of Bitume Québec since
2005

Member, Transportation Research
Board since 2005

Member, of Asphalt Institute since
2005, as Technical Representa-
tive since 2009

APPOINTMENTS BY ACCLAMATION



2ND VICE PRESIDENT

Alan Carter

Education

2005 - Ph.D. in Civil Engineering, Auburn University, Auburn, Alabama (USA)

2002 - Master in Construction Engineering, École de technologie supérieure, Montréal, QC

2000 - Bachelor Degree in Construction Engineering, École de technologie supérieure, Montréal, QC

Work Experience

2011 to 2012 – Visiting Professor, Laboratoire des Voies de Circulation (LAVOC), École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

2005 to present - Professor, Construction Engineering Department, École de technologie supérieure

2002 to 2005 - Research Assistant, Auburn University

1999 to 2002 - Research Assistant, École de technologie supérieure

Membership and Related Activities

Member, of CTAA since 2001

- Québec Director, 2008-2012
- Communications/publicity/web site Committee 2008-2012 (Chair 2010-2012)
- Membership Committee, 2012 (Chair)
- CAMEP and CAEP Program Manager, 2012
- CTAA Editor's Award in 2005
- CTAA Norman W. McLeod Award in 2005

Member, Ordre des ingénieurs du Québec

Member, Conseil permanent des chaussées du CERIU

Member of RILEM

Member of Table d'expertise en infrastructure de l'AQTR, Director

Member of TAC Pavement Standing Committee



PRAIRIES

Hugh Donovan

Education

B.Sc. Civil Engineering, University of Alberta

Work Experience

2000 to present – Construction Services Engineer, Engineering Services Section, Transportation Dept., City of Edmonton

1989 to 2000 – Construction Project Manager, Streets Engineering Branch, Transportation Department, City of Edmonton

1986 to 1989 – Lafarge Construction Materials.

1979 to 1986 - Hardy Associates (1978) Ltd.

Memberships & Related Activities

Member, Canadian Technical Asphalt Association 1981 to 1989 and 2000 to Present

- Chair of 2010 CTAA Annual Conference, Edmonton
- Prairie Regional Director 2010— 2012

Member, Center for Transportation Engineering and Planning, Annual Western Canadian Pavement Workshop

Chair, Soils and Materials Standing Committee, Transportation Association of Canada

Member, Pavement Standing Committee, Transportation Association of Canada

Member, Asphalt Recycling and Reclaiming Association (ARRA)

Member, Alberta Roadbuilders and Heavy Construction Association

Member, Association of Professional Engineers, Geologists, Geophysicists of Alberta

Conference Registration

Conference and hotel registration forms have been posted on the web site. Please follow the links shown 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 registration forms should be directed to the **HOTEL** and **NOT** the CTAA office.

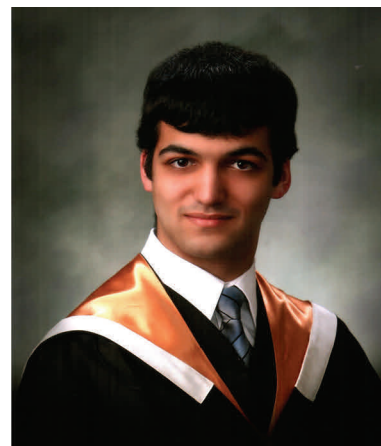
Membership and Proceedings Info

Member who did not pay their 2012 dues by July 31, 2012 are now delinquent and their names have been placed on the delinquent members' list. As such they are not eligible for the 2012 Conference discount or for receipt of a copy of the 2012 Proceedings. Also, their names will not appear in the list of members to be published in the Proceedings. However, if 2012 dues are paid before September 30, 2012, their names will be reinstated on the membership list for purposes of conference discount, they will be issued a set of Proceedings, and their names will be printed in the membership list appearing in the Conference booklet.

2012 Scholarship Winners

Joshua Stipancic Open Scholarship

No Photo Available



Peter Salah Industry Scholarship

CALL FOR PAPERS 2013

You will note that we have included a "Call for Papers" for the 2013 Conference with the Newsletter mailed out and have referred to same for those receiving the Newsletter electronically. We hope that by keeping this request front and centre authors will seriously consider committing to our program next year.

The submission of abstracts seems to be coming in later each year making it difficult to both assemble a suitable program and allow 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	February 15, 2013
Notification of Abstract Status	March 8, 2013
Full Paper Submitted to Program Committee	May 27, 2013

2012 CTAA Course

Smoothness of Pavements

Presenter

Darel Mesher

EBA Engineering Ltd,

(A Tetra Tech Company)

Saturday, November 17, 2012

1:00 pm 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.

NOTICE TO MEMBERSHIP ON PROPOSED BYLAW CHANGES

The Board of Directors has passed a motion to increase the size of the Board by including a representative from Alberta. Adding an Alberta director will ensure balanced representation from the three Prairie Provinces – historically, the current Prairies director position has been occupied by Alberta members. The number of Alberta members has been the highest of any province in Canada for a number of years, and over time, the issue of having an Alberta representative on the Board has come up at the Board level. The breakdown of members by geographical regions as of May 2012 was: British Columbia – 110, Prairie Provinces – 203, Ontario – 121, Quebec – 59 and Atlantic – 104. The proposed breakdown will change the Prairie Provinces to: Alberta – 148 and Prairies -55.

The present Constitution and By-Laws includes reference to five geographical areas and twelve Board members. The Board proposes to change the five to six geographical areas and to change the number of Board members from twelve to fourteen. The reason for the fourteen as noted in the By Laws, Article 4.1, is to allow 3 presidential reps, 6 geographical reps, 2 past presidents, 2 Local Arrangement reps and an opening, if it is ever necessary, to balance the occupational representation.

In order to make these changes the Board must resolve and take the changes to the members at the Annual General Meeting for discussion and/or changes, following which a motion has to be made and passed to take the amendments to a letter ballot for all members to vote on. If the AGM motion passes the ballots will be sent out in January 2013.

Please attend the Annual General Meeting in Vancouver to further participate in this process.

TENTATIVE 2012 CTA TECHNICAL PROGRAM

(Abstracts can be viewed 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