



Canadian Technical Asphalt Association

Of Special Interest

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

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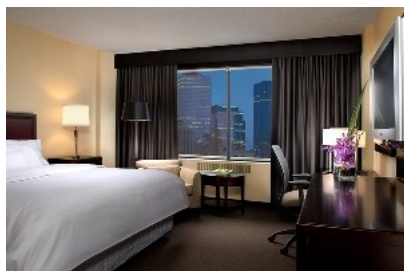
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Links to Forms and Information on the Web site

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2010 CTAA Conference

The 2010 Conference is being held at the Westin Edmonton, in Edmonton, Alberta, November 28 to December 1.



Guest room at the Westin Edmonton

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 2010 Conference in Edmonton, Alberta. 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
- 2011/12 Nomination Form
- General Call for Papers for the 2011 Conference in Québec
- 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 29, 2010**. For those registering by post the mail must be postmarked **October 29, 2010 or earlier**.

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

Michel Paradis

1st Vice-President

Ania Anthony

2nd Vice-President

Robert Forflylow - Nominee
Stephen Goodman - Nominee

British Columbia

Paul Simpson

Prairies

Hugh Donovan
Acclamation

Ontario

Keith MacInnis

Québec

Alan Carter
Acclamation

Atlantic Provinces

Stephen Yeo

Past President

Kelly Carrick

Past Past President

Art Johnston

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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 15, 2010.**

Election of Officers 2010 Nominees

2nd Vice President - Robert Forfylow, P. Eng.

Education:



Various technical asphalt conferences, technical seminars and conventions

- 1995 – Superpave Mix Design School, Asphalt Institute, Lexington, KY, USA
- 1977 – BSc. Civil Engineering, University of Alberta, Edmonton, AB
- 1969 – Materials Technology, N.A.I.T., Edmonton, AB

Work Experience:

2003 to date - Lafarge Canada Inc., Calgary, AB, Director of Quality - Asphalt, Paving and Construction, WCAN

1995 to 2003 - South Rock Ltd., Calgary, AB, General Manager

1989 to 1995 - Agra Earth and Environmental Ltd., Calgary, AB, Manager, Materials Engineering

1983 to 1989 - EBA Engineering Ltd., Calgary, AB, Materials Engineer

1977 to 1983 - Associated Engineering Alberta Ltd., Edmonton, AB, Transportation Project Engineer

Membership and Related Activities:

Member, Canadian Technical Asphalt Association, 23 years

Chair, CUPGA Management Committee

Prairies Director, CTAA, 4 years

Member, Association of Professional Engineers, Geologists and Geophysicists of Alberta, 1977

Member, Association of Asphalt Paving Technologists, 2008

Director, Centre of Engineering, Transportation and Planning (C-TEP), 2007

2nd Vice President - Stephen Goodman, Ph.D. P.Eng.

Education:

1997 - B.Sc. In Civil Engineering, University of Waterloo

2001 - M.Eng. In Civil Engineering, Carleton University

2009 - Ph.D. in Civil Engineering, Carleton University

Work Experience:

2008 to present - Branch Manager, AME Materials Engineering Corp.

2002 to 2008 - Senior Pavement Engineer, City of Ottawa

1998 to 2002 - Program Manager, Canadian Strategic Highway Research Program (C-SHRP)

Membership and Related Activities:

- CTAA Member since 1998
- CTAA Proceedings Editor since 2006
- CTAA Earl Kee Award for Best First Time Presenter, 1998
- Ontario Good Roads Association Instruction since 2005
- Transportation Association of Canada, Past Chair of Pavements Standing Committee
- Canadian Society for Civil Engineer, Chair of National Capital Section (2004-2006)



Membership and Proceedings Info

Member who did not pay their 2010 dues by July 31, 2010 are now delinquent and their names have been placed on the delinquent members' list. As such they are not eligible for the 2010 Conference discount or for receipt of a copy of the 2010 Proceedings. Also, their names will not appear in the list of members to be published in the Proceedings. However, if 2010 dues are paid before September 30, 2010, 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.

Conference 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 Edmonton Hotel registration forms should be directed to the **HOTEL** and **NOT** the CTAA office.



Early Bird Prize

The Edmonton Local Arrangements Committee are offering 3 prizes of 2 tickets each to the **Grey Cup** on Sunday, November 28th. The prize will be open to all those who register on-line by October 15, 2010 or if by mail have a post-mark date of that date or earlier. Prize winners will be notified by October 25th.

CALL FOR PAPERS 2011

You will note that we have included a "Call for Papers" ([click here](#) for the French version of the forms) for the 2011 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
Notification of Abstract Status
Full Paper Submitted to Program Committee

February 14, 2011
March 4, 2011
May 27, 2011

2010 CTAA WORKSHOPS

Workshop A

Inspecting Hot Mix Asphalt for Performance (Part 1)

Presenter
Gerry Huber
Heritage Research Group

Saturday, November 27, 2010
8:30 am to 12:00 pm

Workshop Fee of \$70.00 includes coffee break before session starts.

This is Part 1 of a two part course that can be taken in conjunction with Part 2. The course is designed so that taking Part 2 is not necessary.

This course is focused on the construction and inspection of HMA pavements, with specific focus on the influence of the design and material properties.

Asphalt Binder

- Participants will be provided a general understanding of asphalt binder behaviour with emphasis on the properties affecting hot mix compaction.

Aggregates

- The course will provide an understanding of what the important aggregate properties are and how they influence the properties of the mix.
- Specific emphasis will be on the role of gradation in the packing of aggregate.
 - ◇ This is considered one of the most important pieces of information that inspectors can possess.
 - ◇ Knowing how adjustments in gradation will influence mixture properties (air voids and VMA) and compaction in the field (ability to achieve density) can save frustration and poor quality material being placed.

Mixture Design

- This part of the course will focus on the importance of mixture properties on the performance of hot mix on the road.
 - ◇ This allows contractors/inspectors to better understand what mixture properties could cause poor performance in rutting or durability.
 - ◇ The discussion will also look at what mixture properties are important and how they can be adjusted.

Asphalt Mixing Plants

- The focus of this part of the course will be to review what properties can be influenced by the plant operation.
 - ◇ This will allow contractors/inspectors to recognize plant operations that might cause mixture performance issues in rutting or durability

Workshop B

"An Introduction to Emulsified Asphalts"

Presenters:
Keith Davidson of McAsphalt Industries Ltd.
Blaine Morien of Pounder Emulsions (div. of Husky Oil Ltd.)

Saturday, November 27, 2010
1:00 p.m. to 4:30 p.m.

Workshop fee is \$60.00

This Workshop was presented at last year's Conference in Moncton and proved so popular that it will be presented again this year.

The Workshop is targeted to individuals who specify, use or test emulsified asphalts and wish to have a better understanding of these materials. The first part of the workshop will cover basic emulsion theory as well as the terminology, testing, and handling of emulsified asphalts commonly used in the road construction and maintenance industry. An overview of construction and maintenance practices employing emulsified asphalts will also be presented.

Workshop C

Inspecting Hot Mix Asphalt for Performance (Part 2)

Presenter
Gerry Huber
Heritage Research Group

Saturday, November 27, 2010
1:00 pm to 4:30 pm

Workshop Fee of \$60.00.

This is Part 2 of a two part course that can be taken after Part 1. It is not necessary to take the first part to benefit from the course.

This course is focused on the construction and inspection of HMA pavements.

2010 CTAA WORKSHOPS (cont'd.)***Surface Preparation***

- Review of important items that will influence constructability or performance.
 - ◇ Subgrade or compacted aggregate base
 - ◇ Prime coats
 - ◇ Tack coats
 - ◇ Repairs prior to paving.

Mixture Delivery

- Important properties and practices to ensure uniform delivery of homogenous mix to the paver.
 - This includes different types of trucks and loading of the paver.

Mixture Placement

- This is a major area that includes
 - ◇ Paver operation
 - ◇ Dumping the hopper wings
 - ◇ Maintaining proper head of material
 - ◇ Balancing the paver
 - ◇ How to stop the paver (waiting for trucks).
 - ◇ Correcting segregation

- ◇ Correcting smoothness
- ◇ Constructing joints including:
 - Roll down
 - Luting joints

Mixture Compaction

- Types of rollers
 - ◇ What is the best way to operate them.
- Setting rolling patterns
- Environmental variables
 - ◇ Available compaction time estimates
 - ◇ How best to handle cold weather
- Compacting joints
 - ◇ Transverse joints
 - ◇ Unconfined edge of longitudinal joint
 - ◇ Confined edge of longitudinal joint

Segregation

- How to identify segregation
- How to determine the source of segregation.
- Techniques for correcting segregation
 - ◇ Temperature segregation.

For those interested in participating in any of the Workshops please note that the Conference Registration form includes a line item for all three. Participants should indicate which workshop they wish and enter the total in the appropriate column.

REGISTRATION IS LIMITED SO PLEASE REGISTER EARLY



**2010 ANNUAL CONFERENCE & EXHIBITION
OF THE TRANSPORTATION ASSOCIATION OF CANADA**

**September 26-29, 2010
Halifax, Nova Scotia**

Adjusting to New Realities

***For more information visit the TAC website
<http://www.tac-atc.ca/english/annualconference/>***

TENTATIVE 2010 CTAA TECHNICAL PROGRAM (revised)

(Abstracts can be viewed on the web site.)

Monday, Nov. 29th, 2010 Morning Session: 10:30 a.m.

1. "Performance Review of Micro Surfacing and Slurry Seal Applications in Canada"
Anton S. Kucharek, J. Keith Davidson, Trevor Moore and Peter Linton
2. "Comparison of Laboratory & Field Compacted Hot Mix Asphalt"
Jason C. Wielinski, Gerald A. Huber, William J. Pine
3. "The Legacy of Four Decades of Asphalt Research at Canadian Universities"
Ralph Haas

Monday, Nov. 29th, 2010 Afternoon Session: 13:30 p.m.

4. "A Comparative Study of Three WMA Technologies in the City of Calgary"
R.W. Forfyflow, Mauricio Reyes
5. "Rubber Asphalt Mixes Using Warm Mix Technology"
Michael Esenwa, J. Keith Davidson, Anton S. Kucharek, Gary Shaw
6. "Variation in Pavement Strength Due to Time of Testing and Other Factors"
Chuck McMillan, Venkat Lakavalli, Marta Juhasz
7. "Understanding the Cause of Low Temperature Physical Hardening of Asphalt Binders"
H. Bahia and R. Velasquez
8. "Ontario's First Superpave Trial: 12 Years of Performance"
Sayed Tabib, Anil Virani, Chris Raymond

Tuesday, Nov. 30th, 2010 Morning Session: 8:30 a.m.

9. "Mix Design and Characterization of Low Energy Asphalt (LEA) Mixes Containing RAP"
Alan Carter, Alice Duveau, Daniel Perraton

10. "Engineering Recycled Asphalt Shingles into Superpave Mixes: An Ontario Case Study"
Riyad Ul-Islam, Susan L. Tighe and Ryan Essex

11. "Dynamic Modulus of Asphalt Mixes in Québec"
Félix Doucet

12. "The Evaluation of a Chemical Additive System to Produce Warm Mix Asphalt in Northern Alberta"
Jean-Martin Croteau, Kevin Oltmanns, Dave Kohut, Jim Gavin

13. "2009 City of Calgary Warm Mix Asphalt Trials - The Experience, The Questions, The Need for Answers"
Art Johnston, Nader Nabhani and Joe Chyc-Cies

14. "Evaluation of Asphalt Binder Characteristics & Field & Lab Performance of High RAP with Warm Mix Asphalt using Hypertherm WMA"
Ryan Clark, Terry Hughes, Jamie Weatherbee

Tuesday, Nov. 30th, 2010 Afternoon Session: 13:30 p.m.

15. "Triaxial Frequency Sweep Mechanistic-Climatic Properties of Lime-Treated Asphalt Mixes in Saskatchewan"
Curtis Berthelot, Rielle Haichert, Ania Anthony, Mike Tate

Contractor's Workshop

- "Stripping (Moisture Susceptibility) of Hot Mix Asphalt"

Wednesday, Dec. 1st, 2010 Morning Session: 8:30 a.m.

16. "Experience with Rubber Asphalt Concrete in Southern Saskatchewan"
Manoj Jogi and Dennis Klimochko

17. "The Effects of Pavement Profile and IRI of Low Temperature Transverse Cracking on a Swelling Clay Subgrade in Alberta"
Dave Palsat, Mohammad Karim, Art Johnston, Trent McLaughlin

18. "Evaluation of Mechanistic Properties of Vancouver HMA Mixes Containing Recycled Asphalt Shingles"
Ludomir Uzarowski, Viny Henderson, Hana Prilesky, Esther Berube

19. "Pavement Rehabilitation Design and Performance Monitoring of a Rut Resistant Asphalt Concrete Mix in an Urban Setting"
Alan Reggin, Bryan Palsat, Christian Babuin, and Ed Clark

20. "Laboratory Analysis of Asphalt Mixes used in HWY-401 Perpetual Pavement Project"
Mohab Y. El-Hakim and Susan L. Tighe

Wednesday, Dec. 1st, 2010 Afternoon Session: 13:30 p.m.

21. "Determination of Factors Affecting Shear Testing Performance of Asphalt Emulsion Tack Coats"
Anton S. Kucharek, Michael Esenwa and J. Keith Davidson

22. "Influence of Dynamic Modulus on M-EPDG Outputs"
Marta Juhasz, Chuck McMillan

23. "A Three-Year Experience Review of Geotextile Paving Fabrics in Ontario"
Trevor Moore and Peter Linton

24. "Using High-Speed Ground Penetrating Radar for Evaluation of Asphalt Density Measurements"
Mark Popik, Dr. Ken Maser, Charles Holzschuher

Revision

In July Newsletter Paper #8 has been withdrawn and
Paper #22 has moved to Paper #8