



Canadian Technical Asphalt Association

Of Special Interest

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

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Links to Forms and Information on the Web site

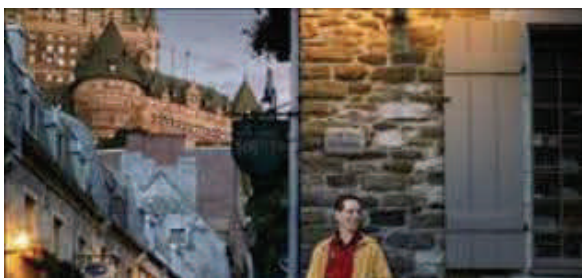
- ♦ Hotel Reservation form
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2011 CTAA Conference

The 2011 Conference is being held at the Fairmont – Le Château Frontenac in Québec.

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 2011 Conference in Québec, Québec.. 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



Courtesy of Chateau Frontenac web site.

on the web site (*links in bottom box on page 1*):

- Conference Registration form
- Hotel Registration form
- 2012/13 Nomination Form
- General Call for Papers for the 2012 Conference in Vancouver
- 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 31, 2011**. For those registering by post the mail must be post-marked **October 31, 2011 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

Ania Anthony

1st Vice-President

Robert Forfylo

2nd Vice-President

Keith MacInnis

By acclamation

British Columbia

Paul Simpson—*Nominee*
 Todd Strynadka—*Nominee*

Prairies

Hugh Donovan

Ontario

Michael Esenwa—*Nominee*
 Nabil Kamel—*Nominee*

Québec

Alan Carter

Atlantic Provinces

Mark Downie
Acclamation

Past President

Michel Paradis

Past Past President

Kelly Carrick

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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, 2011.**

Election of Officers—2011 Nominees

Director - Ontario



Nabil Kamel

Education:

1972 - Masters Degree in Civil Engineering, University of Waterloo, Waterloo, Ontario

1968 – Bachelor Degree in Civil Engineering, Ein Shams University, Cairo, Egypt

Work Experience:

2007 to Present - Program Manager, CCIL Certification Programs

2006 to Present - President and Principal Engineer, ARTS Asphalt Research Inc. Burlington, Ontario

1980 to 2005 – Senior Engineering Specialist, Petro Canada Asphalt R&D

Memberships and Related Activities:

Member, CTAA, since 1980

Member, CUPGA Management Committee

Member, AAPT since 1981

Member, Professional Engineers Ontario, PEO since 1972

Member, TRB, Washington DC 1980 - 2005

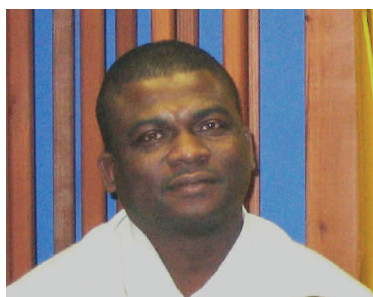
TAC President Medal, 1981

Principal Author of a number of Canadian and US Asphalt Product Technology Patents

1972 to 1980 – Bituminous Research Engineer, Ontario MTO

1970 to 1972 – Research Engineer-Assistant, University of Waterloo

Director - Ontario



Michael Esenwa

Education:

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

Work Experience:

2009 to Present - Senior Pavement Engineer, McAsphalt Industries Limited

2000 to 2009 – Lafarge Canada Inc., Regional Supervisor; Laboratory Supervisor; Lab Technician;

1993 to 1999 – Louis Berger Inc., Nigeria. Highway Engineer;

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

Memberships:

Member, CTAA since 2003

Member, Ontario Society of Professional Engineers

Member, Nigerian Society of Engineers

Director - British Columbia



Paul Simpson

Education:

2006 – Duke University, Duke Corporate Education

2005 – Det Norske Veritas, Incident Investigations

2004 – Queens University Executive Development Program

2003 – Covey Leadership Week

2000 – Det Norske Veritas Modern Safety Management

1988 – Level 2 Purchasing Management Association

Memberships and Related Activities:

Member, CTAA, since 1998

Paving Director, British Columbia Road Builders, since 2005

Work Experience:

2008 to present - Operations Manager, Winivan Paving Ltd.

2007 to 2008 – Sales Manager, Imperial Limited

1975 to 2007 - Columbia Bitulithic Ltd., Scaleman, Grade Foreman, Purchasing Agent, Estimator, Senior Estimator,

General Superintendent, District Manager, General Mgr.

Director - British Columbia



Todd Strynadka

Education:

1982 – 1986 – University of Alberta

Work Experience:

2004 to present – Technical Services Manager, Terus Construction Ltd., Surrey BC

1996 to 2004 – Quality Control Manager, Alberta/BC Operations, ACP Testing & Engineering Ltd., Div. of Terus Construction Ltd., Grande Prairie, AB

1988 to 1996 – Branch Manager, JR

Paine & Associates Ltd., Peace River, AB

1984 to 1988 – Materials Technician, JR Paine & Associates Ltd., Edmonton, AB

Memberships and Related Activities

Member, Canadian Technical Asphalt Association since 1996

Member, BC Road Builders and Heavy Construction Association since 1996

Member of joint BCRB/MOTI paving committee since inception

Member of joint BCRB/MOTI subcommittee to review MOTI 502 EPS in 2008

CCIL – CPAC Committee for BC since 2006

TAC – Project steering committee for Quality Management Practices for Canadian Flexible Materials and Construction since 2006

Albert Road Builders Northern Committee Chair (2003)

Keith MacInnis (cont'd.)

1993-98 - Principal, W.K. MacInnis & Associates

1999 to present: Senior Technical Advisor, Canadian Asphalt Industries Ltd.

Membership and Related Activities:

Member of CTAA since 1986

1991 winner of the Norman W. McLeod Award

Co-author of four papers in the CTAA Proceedings

Ontario Hot Mix Producers (OHMPA) Technical Committee

Chair, OHMPA Quality Initiatives Committee

Lecturer at the Ontario Good Roads Association (OGRA) Scott MacKay Bituminous Technology Course

APPOINTMENTS BY ACCLAMATION

2ND VICE PRESIDENT

Education:

1983 – Post Doctoral Fellowship in Polymer Chemistry, University of Toronto

1982 - PhD in Organic Chemistry, McMaster University

1975 - B.Sc. (Honours) in Chemistry, Acadia University (University Medalist)

Work Experience:

1983-84 - Research Scientist, EcoPlastics Ltd.

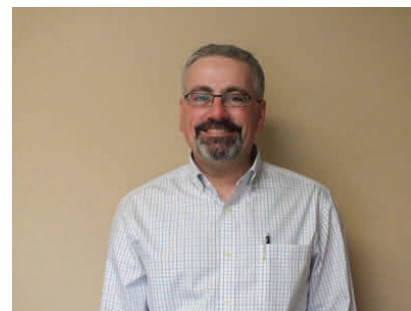
1984-86 - Senior Research Scientist, Solarchem Corporation



Keith MacInnis

1986-92 - Manager, Research and Development, McAsphalt Industries Ltd.

Director - Atlantic



Mark Downie

Education:

B.Sc. Geology/Chemistry (1987) Dalhousie University

B.Eng. Civil Engineering (2004) Dalhousie University

Work Experience:

2005 to present – Senior Materials Project Manager, Maritime Testing (1985) Limited

Mark Downie (cont'd.)

2002 to 2005 – Project Management and Infrastructure, SNC-Lavalin

1987 to 2002 – Certified Engineering Technologist, Warnock-Hersey (Geocon Atlantic)

Memberships:

Member, Canadian Technical Asphalt Association since 2005

Association of Professional Engineers – Nova Scotia since 2007

Member, Director & Treasurer – NSUPA (Nova Scotia Asphalt User/ Producer Association)

Member – NSRBA (Nova Scotia Road Builders Association)

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 Fairmont – Le Château Frontenac reservation forms should be directed to the **HOTEL** and **NOT** the CTAA office.

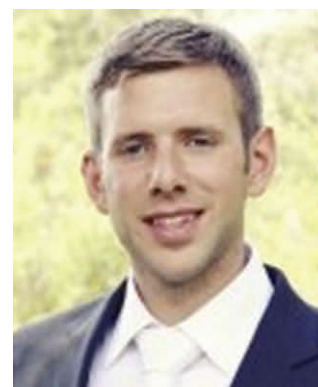
Membership and Proceedings Info

Member who did not pay their 2011 dues by July 31, 2011 are now delinquent and their names have been placed on the delinquent members' list. As such they are not eligible for the 2011 Conference discount or for receipt of a copy of the 2011 Proceedings. Also, their names will not appear in the list of members to be published in the Proceedings. However, if 2011 dues are paid before September 30, 2011, 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.

2011 Scholarship Recipients



Roanne Kelln
Open Scholarship



Robert Munro
Industry Scholarship

CALL FOR PAPERS 2012

You will note that we have included a [“Call for Papers”](#) for the 2012 Conference with the Newsletter mailed out and have referred to same on the Links Section on page 1 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 13, 2012
March 4, 2012
May 28, 2012

2011 CTA WORKSHOPS

Presented in English

Workshop B (Eng)

Pavement Performance in Cold Regions

Presenter

Guy Doré

*Professor of Civil Engineering,
Laval University*

Saturday, November 12, 2011

8:30 am to 12:00 pm

The workshop will address the specific impact of cold climates on pavement materials, pavement design and pavement performance. Cold temperatures behaviour of asphalt bound materials and freeze-thaw action in pavement materials and sub-grade soils will be described. Protection methods will also be presented and discussed as part of the workshop.

Workshop A (Eng)

Determination of the Mechanical Behaviour of Flexible Pavements Materials

Presenter

*Felix Doucet, ing. M.Sc.A
Road Laboratory Directorate
Transports Québec*

Saturday, November 12, 2011

13:00 to 16:00

The workshop will allow participants to introduce themselves to the field of pavement materials mechanics (stress-strain relationships), by becoming familiar with the test methods to determine the instantaneous behaviour (complex modulus, resilient modulus) and the long term performance (fatigue and permanent deformation resistance) of flexible pavements materials. The participants will also better understand the mechanistic behaviour models usually determined in the laboratory, and learn a bit more about certain advanced analytical approaches.

Workshop Fee of \$60.00 includes coffee break

Présenté en Français

Atelier A (Fr)

Détermination du comportement mécanique des matériaux de chaussées souples

Présentateur

*Felix Doucet, Ing. M.Sc.A
Direction de Laboratoire des Chaussées
Ministère des Transport du Québec*

Samedi, le 12 novembre 2011

8:30 am to 12:00 pm

L'atelier permettra aux participants de s'initier au domaine de la mécanique des matériaux de chaussées (relations contrainte-déformation), en se familiarisant avec les méthodes d'essai pour déterminer le comportement instantané (module complexe, module réversible) et la performance à long terme (résistance à la fatigue et à la déformation permanente) des matériaux de chaussées souples. Les participants seront également en mesure de bien comprendre les modèles de comportement mécanique généralement déterminés en laboratoire, et d'en apprendre un peu plus à propos de certaines approches analytiques avancées.

Atelier B (Fr)

Performance des Chaussées en régions froides

Présentateur

*Guy Doré
Professeur de Génie Civil,
Université Laval*

Samedi, le 12 novembre 2011

13:00 to 16:30

L'atelier portera sur les impacts des températures froides sur les matériaux de chaussées ainsi que sur la conception et la performance des structures de chaussées. Les effets des températures froides sur les matériaux liés au bitume et les effets des cycles de gel et de dégel sur les matériaux granulaires et sur les sols d'infrastructure seront décrits. Des méthodes de mitigation de ces effets seront également décrites et discutées durant l'atelier.

Des frais de l'atelier de 60,00\$ comprennent la pause café

TENTATIVE 2011 CTAA TECHNICAL PROGRAM (revised)

(Abstracts can be viewed on the web site.)

Monday, Nov. 14th, 2011

Morning Session: 10:30 a.m.

1. "Usage of Bio-Solvents in the Asphalt Industry to Reduce Emission of Volatile Organic Compounds"
Jean-Martin Croteau, Bernard Tessier, and François Chagnon
2. "Le Développement Durable des Enrobés au Québec"
Michel Paradis, Louise Boutin, Félix Doucet
3. "Comparison of Reactive Elastomeric Terpolymer, Styrene Butadiene and Polyphosphoric Acid Type Modifiers for Asphalt Cement"
Simon A. Hesp; Neha Kanaabar, Syed D. Rubab, and Xin Zhang

Monday, Nov. 14th, 2011

Afternoon Session: 13:30 p.m.

4. "Behaviour of Asphalt Mixes Modified with Asphalt Shingles Modifier and High Rate of Reclaimed Asphalt Pavement"
Hassan Baaj, Mohsen Ech, Paul Lum and Bob Forfylyow
5. "Détermination des Plages de Température Affectant l'Orniérage des Couches d'Enrobés Bitumineux"
Mathieu Meunier and Daniel Perraton
6. "Properties of High RAP Plant Mixtures"
Andreas R. Horton, Jason C. Wielinski, Gerry A. Huber and Herb L. Wissel
7. "Evaluation of the Effect of the Addition of Tear-Off Asphalt Shingles in Asphalt Concrete"
Jean-Michel Malo, Alan Carter and Daniel Perraton
8. "The Evaluation of a Fibre-Reinforced Sandwich Chip Seal in Saskatchewan"
Brent Marjerison, Ania Anthony, Jean-Martin Croteau, Marcel Gareau and Chris Dechkoff

Tuesday, Nov. 15th, 2011

Morning Session: 8:30 a.m.

9. "A One Year Review of the Anthony Henday Drive South-East Ring Road Warm Mix Project in

Edmonton, Alberta"

R.W. Forfylyow, Mauricio Reyes, Matt Marano, and Matt Grim

10. "Evaluation of Warm Mix Asphalt Behaviour - Stability and Strength Perspective"
Michael Esenwa, J. Keith Davidson, and Anton S. Kucharek
11. "Mechanistic Evaluation of Warm Mix Asphalt Surfacing for C.S. 35-14"
Roanne Kelln, Rielle Haichert, Ania Anthony and Curtis Berthelot
12. "Mechanistic & Empirical Performance Testing & Emission Evaluation for WMA Field Project on Ontario Prov. Hwy 10"
Selena Lavorato, Steven Manolis, Andrew Pahala and Ryon Reid
13. "10 Year Performance of Expanded Asphalt Mix on the Trans-Canada Highway, Wawa, Ontario"
Becca Lane and Tom Kazmierowski
14. "Cold In-Place Recycled Mix: Field and Laboratory Monitoring"
Abd El Halim Omar Abd El Halim, Adnan Hammoud, Ali Kassim, Yasser Hassan, Steve Goodman and Warren Lee

Tuesday, Nov. 15th, 2011

Afternoon Session: 13:30 p.m.

15. "Expérimentation de la thermographie automatisée au ministère des Transports du Québec"
Martin Lavoie

Contractor's Workshop

Wednesday, Nov. 16th, 2011

Morning Session: 8:30 a.m.

16. "Evaluation of the MSCR Test for Canadian Asphalt Binders"
R. Michael Anderson; John A. D'Angelo and John R. Bukowski

Future Meetings

2012 - Vancouver, BC
2013 - St. John's, NF
2014 - Winnipeg, MB
2015 - Ottawa, ON

17. "Effects of Engine Oil Residues on Asphalt Cement Quality"

Syed Rubab, Kezia Burke, Logan Wright, Simon A.M. Hesp, Pamela Marks and Chris Raymond

18. "Evaluation of the In-Situ Water Content of Recycled Asphalt Pavement Materials Treated with Asphalt Emulsion"

Nabil Bouguettaya, Marion Gaonach, Daniel Perraton and Alan Carter

19. "British Columbia's Success with Hot In Place Recycling - a 25 year History"

Connie Nicoletti, Bernie Teufele, Daryl Finlayson and Ian Pilkington

20. "Case Studies to Determine Relationship Between Hot-mix Asphalt Lift Thickness and Pavement Smoothness"

Salman Bhutta and Ryan Essex

Wednesday, Nov. 16th, 2011

Afternoon Session: 13:30 p.m.

21. "Optimizing the Effectiveness of High Performance Chip Seals in Ontario"

Anton S. Kucharek, Trevor Moore, Peter Linton, J. Keith Davidson and Ted Phillips

22. "Test Method to Quantify the Effect of RAP and RAS on Blended Binder Properties without Binder Extraction"

Daniel Swiertz and Hussain Bahia

23. "Evaluation of the Extent of Asphalt Blending in RAP Mixes"

John D'Angelo, Raj Dongre and Audrey Copeland

24. "Evaluation of Using the MSCR test for Modified Binders' Specification"

Hussain Bahia, Nader Tabatabaee, Cristian Clopotel, and Amir Gholipour

25. Differential Shrinkage Cracking of HMA Placed over Foamed Asphalt Base—a Case Study"

Ludomir Uzarowski, Vimy Henderson, Susan Tighe, and Mike Halloran

26. "Early Stage Curing Characteristics of Partial Depth Cold Recycling"

Trevor Moore, Keith Davidson, Anton S. Kucharek and Michael Esenwa