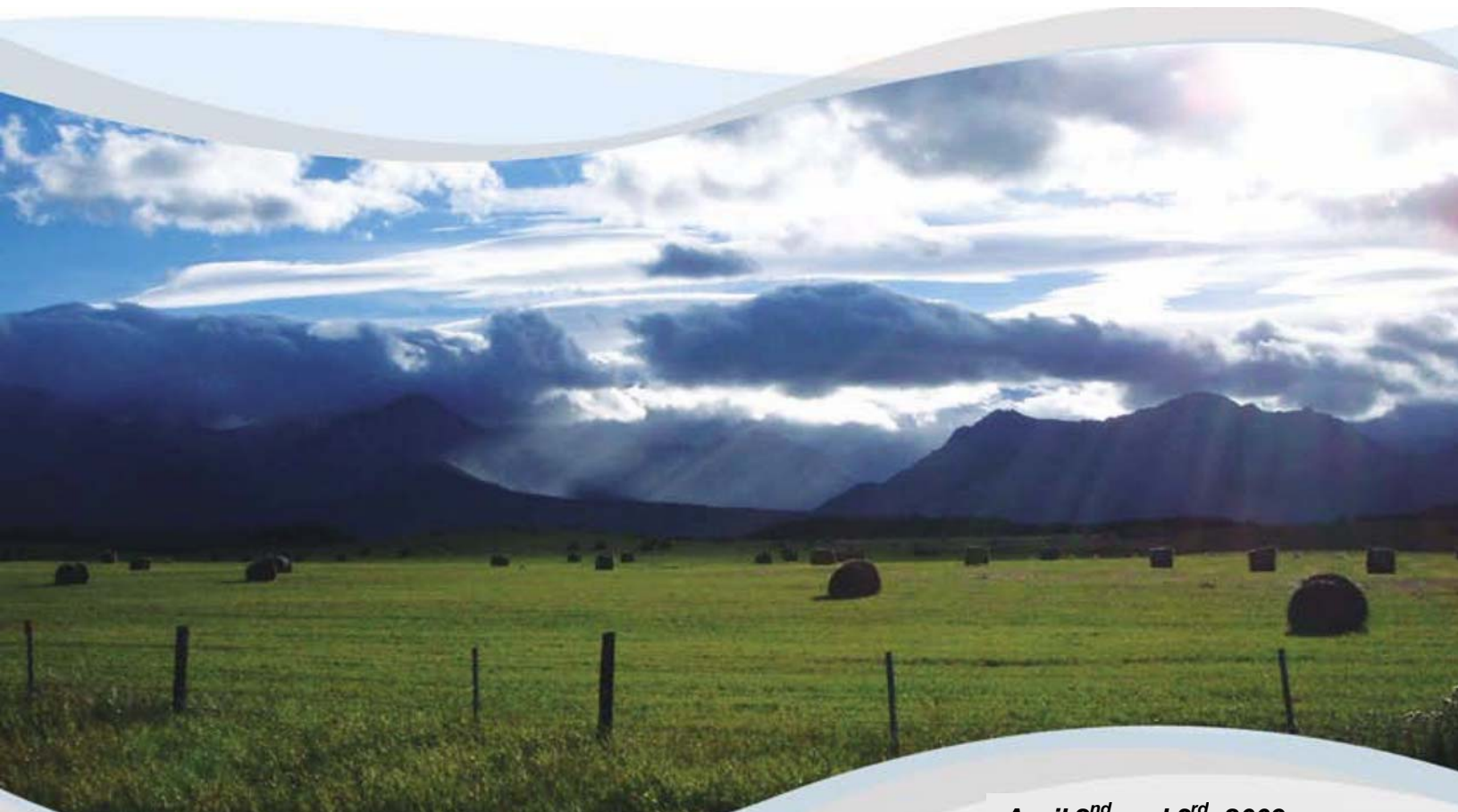




# Facing Emerging Challenges

CPANS 2009 Annual Conference and AGM



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*April 2<sup>nd</sup> and 3<sup>rd</sup>, 2009*  
**NAIT Main Campus**  
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**11762 - 106 Street N.W.**  
**Edmonton, Alberta**



**Edmonton Waste Management**  
**Centre of Excellence**

**Information:** Frank Kloiber, Amberg Corp.  
Email: [fkloiber@amberg.ca](mailto:fkloiber@amberg.ca) Tel: (403) 616-0788

The state of the world economy and the interpretation of the potential impact has resulted in significant uncertainty and instability.

What does this mean for approaches to Climate Change, Green Energy, Energy Efficiency, and other environmental initiatives?

Come and learn more about how industry and the regulatory environment intend to respond to these challenges.

For more information, visit: [www.cpans.org](http://www.cpans.org) [www.awma.org](http://www.awma.org)



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## Conference Program

APRIL 2<sup>nd</sup> DAY 1

8:00	8:20	Registration / Coffee and Pastry Reception		
8:20	8:30	Conference Chair - Official Opening of the Conference	Frank Kloiber	Amberg Corp.
<b>Session 1: Ozone Management in Alberta</b>			<b>Chaired by: David Chadder, RWDI Air Inc.</b>	
8:30	8:55	Health Effects Related to Ozone Concentration in Air	Karl Bresee	Intrinsic
8:55	9:20	Regional Photochemical Modelling for Industrial Heartland Airshed using CMAQ	Wayne Boulton & Keith Denman	RWDI Air Inc. & Alberta Environment
9:20	9:45	Emerging Issues in CMAQ/CAMx Air Quality Modeling of Energy Development in the Rocky Mountains including Wintertime Ozone and Alberta Oil Sands CMAQ Modeling	Ralph Morris & Sunny Cho	ENVIRON & Alberta Environment
9:45	10:10	Ozone Formation in the Prairies	Kristina Friesen	Alberta Capital Airshed Alliance
10:10	10:40	Networking Break		
<b>Session 2: Green Technologies (Part 1)</b>			<b>Chaired by: Dr. Zaher Hashisho U of A</b>	
10:40	11:05	Innovative Research and Clean Technologies	Jerry Keller	Alberta Environment
11:05	11:30	Renewable Energy Potential for Alberta	Tim Weiss	Pembina
11:30	11:55	Energy Recovery Generation (ERG) from Waste Heat - A Case Study	Amit Bhargava	Pristine Power Inc.
11:55	13:00	<i>Lunch and Keynote Speaker Presentation: Climate Policy in North American: Are We on the Same Page?</i>	<i>Rick Sprott</i>	<i>A&amp;WMA President</i>
13:00	13:20	CPANS AGM		
<b>Session 2: Green Technologies (Part 2)</b>			<b>Chaired by: Dr. Zhongchao Tan U of C</b>	
13:20	13:45	New Technologies to Reduce Diesel Emissions	Roger Kuchar	Navistar Inc.
13:45	14:10	Wood Gasification Bio-fuels and Bio-oils Technologies	Ibrahim Karidio	Alberta Environment
14:10	14:35	Sustainable Landfilling and Energy Recovery, Calgary Biocell Approach	Dr. Patrick Hettiaratchi	University of Calgary
14:35	15:00	Networking Break		
<b>Session 3: Consequences of Climate Change</b>			<b>Chaired by: Allen Verbeek, Lakeland College &amp; Dr. Robin Owen, MRC</b>	
15:00	15:25	Overview of the Potential Impacts of Climate Change	Allen Verbeek	Lakeland College
15:25	15:50	Global Climate Change and Local Impact: Determining the Linkage Using Climate Downscaling Techniques	Dr. Xin Qiu	RWDI Air Inc.
15:50	16:15	Facing the Potential Consequences of Catastrophic Pollinator Decline as a Result of Global Warming	Dr. Robin Owen	Mount Royal College
16:15	16:40	Consequences of Climate Change for Canadian-breeding Shorebirds	Dr. Ralph Cartar & Dr. R.I.G. Morrison	University of Calgary & Canadian Wildlife Service, Ottawa
16:40	16:50	End of Conference Day One	Frank Kloiber	Amberg Corp.
16:50	18:00	Networking Mixer		



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## Conference Program (Cont'd)

APRIL 3<sup>rd</sup> DAY 2

8:00	8:20	<b>Exhibitors Coffee and Pastry Reception</b>		
8:20	8:30	Conference Chair - Second Day Opening of the Conference	Frank Kloiber	Amberg Corp.
<b>Session 4: Emission Reduction and Inventory</b>			<b>Chaired by: Allison Fisher, Jacques Whitford, now Stantec</b>	
8:30	8:55	Embracing Climate Change! "Sustainability, is not as difficult as you think"	Audrey Mascarenhas	Questor Technology
8:55	9:20	Emissions from Sulphur Recovery Processes SO <sub>2</sub> versus CO <sub>2</sub> - Striking a Balance	Graham Latonas	Sulphur Experts
9:20	9:45	Non-routine Flaring Modelling	Brian Zelt Michael Zelensky	ZeltPsi PSAQM Inc.
9:45	10:10	The Challenges with Source and Emission Inventory in Alberta	Mervyn Davies	Jacques Whitford, now Stantec
10:10	10:40	<b>Networking Break</b>		
<b>Session 5: Environmental Regulations and Policy</b>			<b>Chaired by: Dr. Piotr Staniaszek, Millennium</b>	
10:40	11:05	Non-routine Flaring Management Framework	Krista Phillips	CAPP
11:05	11:30	Cumulative Effects Management Act	Shannon Flint	AENV
11:30	11:55	Ambient Monitoring Strategic Planning	Bob Myrick	AMSP/Alberta Environment
11:55	13:00	<i>Lunch and Networking</i>		
13:00	13:30	<b>Networking Break</b>		
<b>Session 6: Environmental Realities for Industrial Development</b>			<b>Chaired by: Trevor April &amp; Peter Bieman, NAIT</b>	
13:30	13:55	Oil Sands Development - NGO Perspective	Simon Dyer	Pembina
13:55	14:20	Environmental Management of Alberta's Oil Sands	Shannon Flint	Alberta Environment
14:20	14:45	New Directive 74: Tailings Performance Criteria and Requirements for Oil Sands Mining Schemes	Richard Houlihan	ERCB
14:45	15:15	<b>Networking Break</b>		
15:15	15:40	Oil Sands Tailings, Challenges and Opportunities	Alan Fair	Syncrude
15:40	16:05	Electricity Framework Review	Ahmed Idriss	Alberta Environment
16:05	16:30	Navigating Albertas Evolving Regulatory Environment - Emerging Emphasis on Cumulative Effects	Brad Gilmour	Bennet Jones
16:30	17:00	Conference Wrap-up	Frank Kloiber	Amberg Corp.



## Facing Emerging Challenges

CPANS 2009 Annual Conference and AGM



### Call for Exhibits

CPANS is now accepting applicants for exhibits for the conference!!! Come join us with an exhibit and show off your company's services and products to a wide audience, including government, industry, NGOs, and consultants.

An Exhibitor's basic fee is \$500, which includes the following:

1. One 8'x10' exhibit space;
2. One skirted 6' long table;
3. One extension power cord; and
4. One free registration pass for Conference attendance.

**There is only limited space left, so don't hesitate – register today!**

For more information, please contact Frank Kloiber by email at [fkloiber@amberg.ca](mailto:fkloiber@amberg.ca) or by telephone at (403) 616-0788.

### Sponsorship Opportunities

CPANS is pleased to offer great advertizing opportunities to our sponsors. The four levels of sponsorship are:

Bronze - \$500;  
Silver - \$1,000;  
Gold - \$1,500; and  
Platinum - \$2,000.

Sponsors will receive the following publicity:

1. Bronze - Firm logo immediately posted on the front page of the CPANS Conference bulletin (distributed by email and on the CPANS website);
2. Silver - Firm logo on our conference proceedings;
3. Gold - Firm name listed on the Conference Notice Board; and
4. Gold & Platinum - Verbal firm recognition at both of the Conference luncheons and at the beginning of each Conference session.

CPANS offers one free registration for Bronze sponsors, two free registrations for Silver sponsors, three free registrations for Gold, and four free registrations to Platinum Sponsors. Take advantage of this excellent value and opportunity.

If your company is interested in being a sponsor, please contact Frank Kloiber by email at [fkloiber@amberg.ca](mailto:fkloiber@amberg.ca) or by telephone at (403) 616-0788.

**Don't hesitate, please contact us today! The deadline for sponsorship is March 20, 2009.**

### About CPANS

CPANS is the Canadian Prairie and Northern Section of the international Air and Waste Management Association (A&WMA). We have been operating as a not-for-profit organization in this region for over 20 years. Our vision is to be the premier professional organization promoting air and waste management within the provinces of Alberta, Saskatchewan, Manitoba, and the Northwest Territories.

CPANS has been one of the Association's most active Sections over the years and will be hosting the 2010 Annual Conference and Exhibition in Calgary, Alberta, Canada.

### Become an A&WMA Member Today!

- Membership offers you excellent opportunities to meet and converse with environmental professionals in your field.
- Through participating in CPANS and A&WMA events, you can develop your professional profile and further your knowledge base.
- Members receive discounted registration at the regular luncheon meetings and technical conferences.
- Members also receive a full year subscription for one of the A&WMA monthly magazines, *EM* or *The Journal*.



## Facing Emerging Challenges

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### Accommodations

The following hotel information has been provided for your reference, should you wish to make accommodations to stay overnight in Edmonton.

**Chateau Nova - (780) 424-6682**  
159 Airport Road

Can provide standard rooms (single queen) for \$109/night.  
Can provide double queen rooms for \$119/night.  
No breakfast included.

**Ramada Hotel & Conference Centre - (780) 454-5454**  
11834 Kingsway Avenue

Can provide standard rooms (either 1 or 2 queen beds/room) for \$109/night.  
No breakfast included.

**Chateau Louis Hotel & Conference Centre - (780) 452-7770**  
11727 Kingsway Avenue

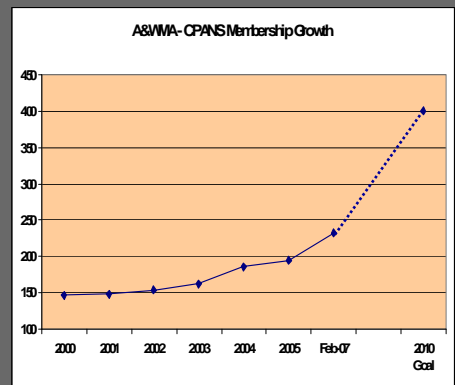
Can provide standard rooms at \$89/night.  
Includes full buffet breakfast.

### Conference Organizing Committee

Name	Company
Frank Kloiber	Amberg Corp.
David Chadder	RWDI Air Inc.
Allison Fisher	Jacques Whitford, now Stantec
Yolanta Leszczynski	Shell Canada Ltd.
Robin Owen	Mount Royal College
Piotr Staniaszek	Millennium EMS Solutions Ltd.
Allen Verbeek	Lakeland College
Zhongchao Tan	University of Calgary

### CPANS: A Proud and Growing Section!

Since 2000, CPANS membership has steadily increased. In the past five years it increased over 30% and we are now proud to support roughly 250 full A&WMA members of our Section. Our goal is to increase membership to 400 by 2010, the year CPANS hosts A&WMA's Annual Conference & Exhibition in Calgary, Alberta.



### CPANS Events

- CPANS provides its membership with opportunities to expand their professional knowledge and professional contact base through luncheon meetings, conferences, and workshops.
- We host monthly luncheon events at which the latest environmental topics in the air and waste management fields are discussed.
- In previous years, CPANS has hosted a suite of training opportunities to the public and it's members, including ISC/AERMOD, CALPUFF/CALMET, and Energy Auditing.
- We have developed five community television programs on the environment, and other specialized activities related to our mission. CPANS has hosted a number of Specialty Conferences over the years, often co-hosting with other local industrial/environmental groups.



# Facing Emerging Challenges

## CPANS 2009 Annual Conference and AGM



*April 2<sup>nd</sup> and 3<sup>rd</sup>, 2009*  
**NAIT Main Campus, The Shaw Theatre, South Learning Campus**  
**11762 – 106 Street N.W., Edmonton, AB**

### Registration Form (Deadline March 20<sup>th</sup>, 2009)

Date Submitted \_\_\_\_\_

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ MI \_\_\_\_\_

A&WMA Membership No.: \_\_\_\_\_ (required to receive special rates indicated below)

Status: A&WMA Member \_\_\_\_\_ Non-member \_\_\_\_\_ Student Non-member \_\_\_\_\_ Student A&WMA \_\_\_\_\_

Exhibitor \_\_\_\_\_ Sponsor \_\_\_\_\_ Speaker (A&WMA member) \_\_\_\_\_ Speaker (Non-member) \_\_\_\_\_

Affiliation/Company \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ Province/State \_\_\_\_\_ Postal/Zip code \_\_\_\_\_

Telephone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_ E-mail \_\_\_\_\_

Diet Restrictions \_\_\_\_\_

### Conference Registration Fee Schedule (in CDN\$, inclusive of GST)

Category	Registration Fee
<b>A&amp;WMA Member</b>	<b>\$250</b>
<b>Non-member</b>	<b>\$350</b>
<b>Speaker A&amp;WMA Member</b>	<b>\$125</b>
<b>Speaker Non-Member</b>	<b>\$175</b>
<b>Student * Non-Member</b>	<b>\$125</b>
<b>Student * A&amp;WMA Member</b>	<b>\$75</b>
<b>Exhibitor</b>	<b>\$500</b>

\* Must be a F/T student of a college or a University.

### Parking Options (Available for an Additional \$5/day)

Please add \$5 to my registration fee for parking on Day 1, April 2<sup>nd</sup>.

Please add \$5 to my registration fee for parking on Day 2, April 3<sup>rd</sup>.

Parking passes will be sent out via email in advance of the conference. Please ensure you have provided a valid email address.

### Payment Options

#### (1) Mail, Fax, or Email:

Complete this registration form, (if paying via check, make checks payable to "CPANS") and send to:

Piotr Staniaszek, Millennium EMS Solutions Ltd.

Suite 217, Plaza 14, 811 – 14<sup>th</sup> Street N.W.

Calgary, AB, T2N 2A4

Phone: 403-592-6180 Ext. 228 ; Fax: 403-283-2647 ; Email: [pstaniaszek@mems.ca](mailto:pstaniaszek@mems.ca)

#### (2) Required Information for Visa or Master Card Payments:

Complete this form, and send to the above address with the following information (please print clearly):

Please note that CPANS does not accept American Express. Receipts will be provided on April 2<sup>nd</sup>, 2009.

Card Type: Master Card \_\_\_\_\_ Visa \_\_\_\_\_ Card number \_\_\_\_\_

Expiry date \_\_\_\_\_ Name (as it appears on card) \_\_\_\_\_

Registration fee is non-refundable. The registration fee will only be refunded under exceptional and reasonable circumstances. A written request should be made to the above address by March 25, 2009. It is important to note that CPANS is only a facilitator for these presentations and does not endorse any presenter or the technology presented. We reserve the right to cancel the conference due to lack of attendance. In such circumstance, all registration fees will be fully reimbursed.