



Information Bulletin

April 6, 2009

MEIA Gold Charter Members





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MEIA News

Annual General Meeting

Thursday, April 16, 2008

Victoria Inn
1808 Wellington Avenue
Winnipeg, MB

Registration: 7:30 a.m.

Breakfast: 8:00 a.m.

Opening Remarks: Jim Rondeau,
Minister, Science, Technology, Energy & Mines

AGM (including hot breakfast): \$40 MEIA Members/\$50 Prospective

No charge for members attending AGM only

Contact MEIA at 783-7090 for further details or register [here](#)

MEIA Golf Tournament

May 28, 2009
St. Boniface Golf Club

Tournament Registration:
\$180 per golfer or \$650 per team of 4

To view this year's sponsorship opportunities please click [here](#). To sponsor the tournament click [here](#) or contact the MEIA staff at 783-7090.

This year's tournament will offer new and interesting changes. Instead of having a prize table we will be holding a silent auction with all proceeds donated to the Children's Wish Foundation of Manitoba.

We will also be offering door prize draws for registered golfers as well as a grand prize draw valued at \$1,000.

Click [here](#) for further details

Registration [here](#)

General News

Local Interest

Winnipeggers Race Toward Sustainability

April 4, 2009

A sustainability symposium to be held by Mayor Sam Katz later this month will coincide with a green-themed race that will take participants all over downtown Winnipeg.

Sprinting Towards Sustainability: An Amazing Race Adventure will let up to 10 teams of two people cycle, walk or run around the course in a bid to win two bicycles worth \$600 each.

After finishing off five mystery sustainability tasks, participants can check out an eco-pavilion at The Forks Market, where activities will include a composting demonstration, vehicles on display and green prize giveaways. Registration for Katz's Symposium on Sustainability kicks off Monday at 9 a.m.

The city says people who want to take part should call early, as the attendance is capped at 100.

To sign up, call 986-7367 or visit www.winnipeg.ca/MayorsSymposium.

The day-long symposium is happening Saturday, April 25 at the Winnipeg Art Gallery, 300 Memorial Blvd., from 8 a.m. to 5 p.m.

It's aimed at launching a year-long process to come up with a new official 25-year plan for the City of Winnipeg. The plan would be a successor to Plan Winnipeg, the city's long-term blueprint for land-use and planning.

Participants will share their views, take part in round-table discussions and hear from a panel of experts at the symposium.

The mayor's environmental reputation took a hit in recent months, with the chair and most members of his environmental advisory committee quitting in February over what they said was a lack of political clout and money.

Katz revived the panel later that month and put Transcona Coun. Russ Wyatt in charge.

Source: www.winnipegfreepress.ca

Vehicle Standards Advisory Board Report Provides Blueprint for Immediate Action on Greenhouse Gasses: Rondeau

April 2, 2009

New initiatives to reduce greenhouse gas emissions are part of the recommendations outlined in the report of the Vehicle Standards Advisory Board, released today by Science, Technology, Energy and Mines Minister Jim Rondeau.

"Our province has been a leader in taking action on climate change and today we continue to build on that," said Rondeau. "The board has given us clear direction to

implement additional measures that will help reduce vehicle emissions across the province."

The Vehicle Standards Advisory Board was formed as a condition under the Climate Change and Emissions Reduction Act. This act supports Beyond Kyoto, Manitoba's action plan on climate change which includes 60 specific actions to reduce greenhouse gasses.

"We are pleased to present this report to the minister, "said Marilyn McLaren, co-chair of the Vehicle Standards Advisory Board. "We heard many perspectives and this report supports the most aggressive vehicle standards possible."

Rondeau noted the province will immediately implement an aggressive action plan based on the board's findings including:

- Implementing aggressive vehicle emission reduction targets. The implementation plan includes introducing the California Air Resources Board model for emission reductions pending approval in the United States and economic analysis on the impact on retailers in Manitoba.
- Promoting increased fuel efficiency on Manitoba roads. The current hybrid rebate program will be replaced with new incentives to get older cars off the road.
- Introducing Green Driving, new public education campaign. The campaign will promote vehicle maintenance and driving habits that help to reduce fuel consumption and will include tips on anti-idling and promoting car pooling.
- Providing support for transit. The Manitoba government is supporting investments in a new rapid transit corridor for the city of Winnipeg and has enshrined a fifty-fifty share of the cost of operation of transit in legislation.

"This plan will provide the foundation for additional actions that will be supported by initiatives already underway as part of Beyond Kyoto," said Rondeau.

The Manitoba Vehicle Standards Advisory Board included:

- Marilyn McLaren (co-chair), president and CEO, Manitoba Public Insurance;
- Larry Vickar (co-chair), president, Vickar Community Chevrolet;
- Jeff Zabudsky, president and CEO, Red River College;
- Ajaleigh Williams chapter co-ordinator, Red River Valley Clean Cities Coalition, Winnipeg Chapter; and

- Randall McQuaker, executive director, Resource Conservation Manitoba.

"I want to thank the board for their hard work in providing a report with recommendations that will help to further reduce greenhouse gas emissions on our roads and keep us on track to meeting our Kyoto target," Rondeau said.

The full report can be viewed on line at www.gov.mb.ca/stem/.

Source: www.gov.mb.ca

CEC Reaffirms its Direction on Ammonia, Nitrogen and Phosphorus Removal for Winnipeg Waste-water Treatment

March 26, 2009

Phosphorus Removal the Priority, Ammonia Treatment Must Proceed; Nitrogen Removal Assessed at Six to Seven Per Cent: Struthers

Conservation Minister Stan Struthers today released the Clean Environment Commission's (CEC) report which reaffirms its 2003 recommendation on phosphorus and nitrogen removal and ammonia treatment for Winnipeg's waste water.

"We must do what is best for our rivers and lakes and this report confirms we're on the right path," said Struthers. "As I've said before: simply not acting cannot be an option and we will continue to work to get as much phosphorus out of Lake Winnipeg as possible as recommended by the CEC."

The CEC reaffirmed the need to reduce as much phosphorus as possible from City of Winnipeg's three waste-water treatment facilities, since phosphorus is the leading contributor to blue-green algae growth in Lake Winnipeg. The CEC further indicates a critical need to reduce ammonia and nitrogen because they are toxic to fish and degrade water quality. With the province's help, the city will continue on its present course of action and will have all three of its waste-water treatment facilities upgraded by 2014, said Struthers.

"The findings of this report reaffirm our direction from 2003 on nutrient removal. Phosphorus must be the priority to help restore Lake Winnipeg. Ammonia and nitrogen removal are also critical to protect water quality in Manitoba," said Terry Sargeant, chair of the Clean Environment Commission.

The minister also released a report by Associated Engineering updating the costs associated with additional nitrogen removal. The report assessed the cost for nitrogen removal at about six to seven per cent of the costs of upgrading Winnipeg's waste-water treatment plants.

"The enhancement of waste-water treatment in Winnipeg is one significant component of an overall plan that requires action from all Manitobans," the minister said. "We are all responsible for the condition of our waterways so we must all play a role in restoring their health."

The Manitoba government is enhancing investments in waste-water treatment upgrades provincewide with a \$385-million commitment for water and waste-water projects across the province including a \$235-million provincial one-third commitment for the upgrade of all three waste-water treatment plants in Winnipeg.

In 2003, the CEC recommended the province ensure Winnipeg's waste-water treatment system will treat ammonia, a toxic form of nitrogen, and remove phosphorus and nitrogen to improve water quality.

The Manitoba Clean Environment Commission is an arm's-length provincial agency appointed under the authority of Manitoba's Environment Act and designed to encourage and facilitate public involvement in environmental matters. It offers advice and recommendations to the government on sustainable development, environmental issues and licensing matters.

Source: www.gov.mb.ca

Province Announces Stepped Up Assault on Phosphorus to Clean Up Lake Winnipeg

March 26, 2009

Actions will Reduce Phosphorus From Households, Cottages, Farms and the City of Winnipeg: Struthers

New measures were announced today by Conservation Minister Stan Struthers as part of an aggressive plan to reduce phosphorus that promotes growth of algae blooms that threaten the health of Lake Winnipeg.

"The Clean Environment Commission has sent a clear message that excessive phosphorus is enemy number one when it comes to restoring the health of Lake Winnipeg," Struthers said. "New and more aggressive action is needed by all of us to ensure we can improve water quality."

Struthers announced new actions will be taken to reduce phosphorus contributed from households, cottages, the city of Winnipeg and from farms including:

- Action on septic systems: Proposed regulations would toughen up rules governing use of septic systems for waste-water management used by homeowners and cottagers. The proposals include a ban on septic fields in sensitive areas, a ban on new sewage ejectors and a phase-out of existing ejectors. The province is extending consultations with the Association of Manitoba Municipalities until May 8 to allow for a full examination of the proposed changes.

- Action on synthetic fertilizers: Rules restricting the use of synthetic fertilizers containing phosphorus are now in effect. These restrictions apply to homeowners who apply fertilizers on their lawns, golf-course owners and farmers. Brochures and posters informing Manitobans of these new requirements are now available and have also been sent to 180 retailers and golf courses.

- Action on manure application: A proposed regulation to ban winter spreading of manure on Manitoba farms by 2013 has been posted for consultation. In addition, all new pig producers will be required to register manure management plans with the province. These actions were recommended by the CEC in 2008. In addition, the province is acting on a 2007 recommendation of the auditor general to enforce a minimum storage capacity for manure storage of 250 days for concrete and steel storage facilities and 400 days for earthen facilities, and a maximum storage capacity of 500 days to prevent the unauthorized expansion of hog operations.

- Action for the City of Winnipeg: The City of Winnipeg will be required to meet its licensing requirements for nutrient removal at its waste-water treatment facilities as recommended by the CEC. Manitoba is committed to provide a one-third investment to ensure these requirements are met.

"This plan will require change from all of us as we work to improve the quality of water in Manitoba," Struthers said. "We all must take responsibility for the health of our lakes and we all must contribute to the solution."

Source: www.gov.mb.ca

Province Creates Three New Protected Areas

March 26, 2009

Whitemouth Bog Ecological Reserve, Whitemouth Bog WMA, Observation Point WMA added to Network of Protected Areas: Struthers

Whitemouth Bog Ecological Reserve, Whitemouth Bog Wildlife Management Area and Observation Point Wildlife Management Area (WMA) have been added to Manitoba's network of protected areas, Conservation Minister Stan Struthers announced today.

"These new protected areas will help the province meet its commitments to increase the number of ecological reserves and designate new wildlife management areas," said Struthers. "These designations will also contribute to Manitoba's climate change and wetland protection commitments."

Whitemouth Bog Ecological Reserve covers 5,020 hectares, Whitemouth Bog WMA is 3,010 ha and Observation Point WMA is 6,530 ha (of which 6,010 ha is protected). In total, these areas will add 14,040 ha of new land to Manitoba's network of protected areas.

Included in the newly protected areas is 11,000 ha of significant wetlands which provide a wealth of ecosystem services including carbon storage, improved water quality, reduced nutrient loading in Lake Winnipeg, reduced flooding and provision of habitat for many of Manitoba's wildlife species, the minister said.

"These ecologically significant areas have unique characteristics that will be protected and safeguarded," said Struthers. "For example, the Whitemouth Bog Ecological Reserve and Wildlife Management Area protect a calcareous fen which is one of the rarest wetland types in North America. The Whitemouth Bog is also home to the yellow rail which is a bird species of special concern under Canada's Species at Risk Act."

These protected areas will be free from logging, mining, hydroelectric, oil and gas development as well as other activities that could significantly and adversely affect natural habitat.

The right of First Nations and other Aboriginal people to access protected areas for hunting, trapping, fishing and other traditional pursuits will be respected in these protected areas, said Struthers.

There are now 81 wildlife management areas in Manitoba encompassing some 1.89 million hectares of valuable habitat. There are now 22 ecological reserves in Manitoba.

Since 1999, approximately 869,000 hectares of land has been permanently protected in parks, wildlife management areas and ecological reserves as work continues to expand Manitoba's vital network of protected areas.

Source: www.gov.mb.ca

Province to Consult on Changes to Provincial Land-use Policies

March 27, 2009

Manitoba is updating its land-use policies and is seeking input from the public, Intergovernmental Affairs Minister Steve Ashton announced today.

"Effective land-use policies are important for managing change and development in ways that build strong communities, promote a healthy environment and sustain a sound economy," said Ashton.

"We need to hear the views of Manitobans to ensure the proposed changes will benefit the province for generations to come."

The draft provincial land-use policies propose to clarify some policies and to make them more coherent and integrated, the minister said. There is also a need to address emerging issues such as climate change and to strengthen existing policies in areas such as the protection of Manitoba's water resources.

The government will be hosting workshops around the province as well as meeting with key stakeholders. Consultation materials, including the draft policies, and the opportunity to provide feedback is also being provided at www.gov.mb.ca/ia and via email at plups@gov.mb.ca.

Manitoba was the first provincial jurisdiction in Canada to adopt provincial land-use policies in 1980. The policies were last reviewed and rewritten in 1994, to incorporate the principles of sustainable development. In 2006, the agriculture policy was amended to address the development of livestock operations.

Consultation will take place through the month of April and wrap up in early May. Land-use policies are expected to be finalized in the fall of 2009.

Source: www.gov.mb.ca

National Interest

Government of Canada to Reduce Greenhouse Gas Emissions from Vehicles

OTTAWA : April 1, 2009

Today, the Honourable Jim Prentice, Minister of the Environment, announced that the Government of Canada will introduce tough new regulations to limit greenhouse gas emissions from the automotive sector under the Canadian Environmental Protection Act, 1999 (CEPA).

"Any significant strategy to address greenhouse gases and pollution must address on-road emissions, and that is exactly what we are doing," said Minister Prentice. "The new regulations under CEPA will be very effective in helping transform our automotive sector and make it greener."

In keeping with the Government of Canada's commitment to put these regulations in place for 2011 model year vehicles, the Government will proceed immediately to put regulations in place under CEPA. By taking this approach, the Government of Canada will have the flexibility to harmonize its regulations with the broad range of possible future actions from the U.S. government to address greenhouse gas emissions from vehicles.

Moving to develop carbon dioxide emission regulations is part of the Government of Canada's efforts to address climate change. These regulations will help achieve the Government's commitment to reducing Canada's total greenhouse gas emissions by 20 percent from 2006 levels by 2020. Transportation accounts for approximately one quarter of Canada's total GHG emissions. Of that quarter, passenger cars and light-duty trucks account for nearly half, contributing 12% of Canada's total GHG emissions.

The Government will be publishing a Notice of Intent in the coming days and consultations with interested parties will proceed as soon as possible. Proposed regulations will be published in the Canada Gazette later this year, followed by a formal public review and comment period. Final regulations will come into force in 2010 and will apply to vehicles of the 2011 and later model years.

Related document:

Notice of Intent: Department of the Environment - Canadian Environmental Protection Act, 1999 [[HTML](#), [PDF](#)]

[Photos](#)

[Speech](#)

For more information, please contact:

Frédéric Baril

Press Secretary

Office of the Minister of the Environment

(819) 997-1441

Environment Canada Media Relations
(819) 934-8008
1-888-908-8008
Source: www.ec.gc.ca

Arctic Future Newsletter

The March 2009 edition features articles on the following:

- * Circumpolar Young Leaders Gather in Sweden
- * Robin Urquhart: Making a difference in the North
- * Some Thoughts on Arctic Governance
- * If Youth are the Leaders of Tomorrow, We Must be Meaningfully Engaged Today
- * Reacting to a Warming Climate: Arctic states moving forward
- * Vegetarian Culture Clash in the Arctic?
- * The Northern Identity Crisis
- * The Class of Ice and Snow
- * Upcoming Events

The newsletter is available at: http://www.ookpik.org/peers/arctic_future.aspx

E-Waste Obligations Take Effect in Ontario

Ontario's Minister of the Environment approved the Waste Electrical and Electronic Equipment ("WEEE") Program Plan on July 9, 2008. Phase I of the WEEE Program takes effect on April 1, 2009.

The WEEE Program Plan was approved pursuant to the Waste Diversion Act 2002, S.O. 2002, c. 6, and Ontario Regulation 393/04: Waste Electrical and Electronic Equipment. The WEEE Program Plan is designed to collect funds to cover 100% of the Province of Ontario's costs in relation to the management of end-of-life electrical and electronic equipment. These costs include the collection, transportation, and processing of WEEE that is supplied into Ontario, including electrical and electronic equipment ("EEE") that is sold, leased, donated or distributed in Ontario.

The WEEE Program Plan is managed by Ontario's Electronic Stewardship ("OES"), an industry-funding organization with a Board comprised of manufacturers and retailers. Unlike other waste diversion programs in Ontario, the WEEE Program Plan applies not only to material destined for the residential market, but also to WEEE sold or supplied to the commercial, industrial and institutional sector.

Phase I of the program covers desktop and laptop computers, peripherals such as mice and keyboards, monitors, televisions and printers. Phase II of the program, targeted to take effect in the summer of 2009, will expand the reach of the WEEE Program Plan to include equipment such as modems, copiers, scanners, telephones (including cellular phones and PDAs), audio and video players, cameras, sounds system equipment and radios. Phase II has not yet received Ministerial approval.

There is a published tariff of fees for each of the hardware components covered by Phase I of the WEEE Program Plan. Fees range from 32 cents for mice to \$12.03 for monitors, and \$13.44 for desktop computers, as set out below. The tariffs will remain in force for 12 months, until April 2010.

Hardware Component	Includes	Tariff
Desktop Computers	CPU, computer terminal	\$13.44/unit
Portable Computers	Laptop, Notebook	\$2.14/unit
Computer Peripherals	Disk drive, keyboard, mouse	\$0.32/unit
Monitors	CRT, LCD, Plasma	\$12.03/unit
Televisions	CRT, LCD, Plasma, Rear Projection	\$10.07/unit
Printing Devices	printer, fax machine	\$5.05/unit

Obligations pursuant to the WEEE Program Plan are borne by "Stewards". Generally speaking, the first entity to be obligated as a Steward is the person that owns or licences the intellectual property rights or brand associated with the hardware component, provided that person is "resident" in Ontario. If the Brand Owner is not resident in Ontario, the First Importer will be obligated as a Steward, followed by Franchisors, and Manufacturers of nonbranded WEEE.

If there is more than one resident Brand Owner resident in Ontario, then the Brand Owner that is "more directly connected to the production" of the electrical and electronic equipment will be the designated Steward (OES, Schedule A: Rules for Stewards with Respect to Payment of EEE Fees, 2009, "2009 Rules").

The WEEE Program Plan applies only to WEEE sold or supplied within or into Ontario. EEE manufactured in Ontario, but sold or supplied to customers in other provinces or other countries, is not subject to fee payment obligations. If that EEE is supplied back into Ontario at a later date, the obligated Steward would have to pay report and fees when the WEEE reenters Ontario.

After the initial report and fee payment due May 31, 2009, reports and fees will be submitted on a monthly basis. The second report and fee payment will be due on June 30, 2009.

For a guidebook discussing whether or not your company is obligated, see:
<http://www.ontarioelectronicstewardship.ca/pdf/stewards/guidebooks/guidebook1.pdf>

Stewards may register with OES at the following link:
<http://www.ontarioelectronicstewardship.ca/stewards/stewards.html>

Source: www.gowlings.com

International Interest

Cap and Trade is Not Enough: Improving U.S. Climate Policy

SUMMARY: A market-based mechanism (e.g. cap and trade or a carbon tax) is likely to be a key part of America's strategy to reduce carbon dioxide (CO₂) emissions. We need to do this soon so that a framework for emissions reductions is established. However, for at least the next decade, a market-based approach alone will not induce the investments in long-lived technology needed to put the nation on a track to achieve a 50 to 80% reduction in emissions of carbon dioxide by mid-century. The range of prices for CO₂ being discussed will be too low to make this happen.

In addition to instituting a cap and trade regime, Congress should simultaneously design, integrate and implement these targeted strategies:

1. For electric power:

- * A tradable carbon emission portfolio standard (CPS) that gradually reduces the average amount of CO₂ emitted per kW-hour for the electricity that companies sell to end users;

- * Promotion of strategies that separate utility profit from the amount of electricity it sells so that utilities can earn profit from increasing energy efficiency;

2. For buildings and appliances

- * Higher and more inclusive efficiency standards for building design and construction, appliances, equipment, and lighting;

- * Federal incentives to induce localities to adopt building codes that lower the annual energy use in new buildings by at least 50% compared to conventional buildings;

3. For automobiles

- * Efficiency standards that at least double miles per gallon of automobiles and light trucks over current vehicles (CAFE);
- * Reduce the number of miles driven with road pricing, pay-as-you-drive insurance, and by encouraging transportation alternatives.

In the report that follows we explain why we recommend each of these targeted strategies, and suggest how they might be implemented.

In the rush to reduce CO2 emissions, and improve energy efficiency, there is a risk that inefficient, but well-intentioned policies may mandate technologies that cost dramatically more than more efficient routes to the same goals. Both Congress and the Executive Branch need to support careful, but rapid, engineering-economic analysis that can be performed in 90 days before undertaking any specific mandates. Such analysis can be performed more rapidly than most legislative and executive processes, and should not be an excuse for delaying action.

Report from Carnegie Mellon University 5000 Forbes Avenue, Pittsburgh, PA 15213 USA available here:

http://wpweb2.tepper.cmu.edu/ceic/pdfs_other/ClimatePolicy.pdf

New Report on Climate Policy Integration, Coherence and Governance

Following are links to a report "Climate Policy Integration, Coherence and Governance" that has been published last week by the Partnership for European Environmental Research (PEER).

If societies are going to tackle climate change, significant changes in production processes as well as consumption patterns will be required. These changes cannot be achieved unless climate change is taken into account in the general and sector-specific policies essential for economic activities and general social development. In this report the degree of climate policy integration in different European countries, policy sectors and, in some cases, regions and municipalities is assessed. In addition, measures and means to enhance climate policy integration and improve policy coherence are analysed.

This report shows that the inclusion of climate change mitigation and adaptation in general governmental programmes and strategies has substantially increased in

recent years. Much more will be needed than hitherto, however, in terms of integrating climate into specific measures.

Annual budgets, impact assessments and spatial planning are three examples of existing measures with significant potential to be climate policy instruments. In order to be efficient, the integration of both mitigation and adaptation aims would in the future need to recognize the interconnections between multiple governance levels, from the local to the international.

The report "Climate Policy Integration, Coherence and Governance" (pdf, 3 MB) is available at:

http://peer-initiative.org/media/m235_PEER_Report2.pdf

The summary of the report (pdf, 74 KB) is available at:

http://peer-initiative.org/media/m236_PEER_Report2_summary.pdf

More information about the project can be found at:

<http://peer-initiative.org/html/obj459.html>

Business and Career Opportunities

Local

Red River College – Civil Engineering Technology Co-operative Education Program

Connecting Students with Industry

Architectural/Engineering Technology
Environmental Engineering Technology
Geomatics Technology
Municipal Engineering Technology
Structural Engineering Technology
Building Design CAD Technology

Students interested in the Three-year Technologist Program, or the Two-year Technician Program click [here](#) for further information.

Employers may receive wage incentives and tax credits when hiring a student through the Co-operative Education program.

More information on the benefits of the Cooperative Education program for employers is available [here](#)

Employers interested in hiring a student through the Co-operative Education program may access the form at www.rrc.mb.ca/civilcad/coopform.htm

Clean Tech Funding Available

If you have a new, innovative technology that helps address climate change or promotes clean water, land or air, then Sustainable Development Technology Canada (SDTC) wants to hear from you.

SDTC's SD Tech Fund™ is accepting Statements of Interest from February 25 to April 22, 2009

The SD Tech Fund™ invests in late-stage development and pre-commercial demonstration of clean technologies by Canadian companies. For more information please visit:

<http://www.sdtec.ca/en/SOInfo.htm>

National

Hazardous Materials Technician Saskatoon, April 27 - May 08, 2009

Monday, April 27, 2009 8:00 am -
Friday, May 08, 2009 4:00 pm (Eastern Time)

Saskatoon Training Center
230 Marquis Drive
Saskatoon, SK

Hazardous Materials Technicians are personnel who respond to the release of hazardous materials with the purpose of stopping the release and reducing losses.

For more information click [here](#)

The Canadian Society for Civil Engineering

New CSCE course
Recent Advances in Bridge Engineering
and Structural Health Monitoring
Toronto, Saskatoon, Calgary, Edmonton, Vancouver
April/ May 2009

Description

This two-day course presents the latest advances in the field of small and medium span bridges with emphasis on the monitoring of their health by means of state-of-the-art electronic and photonic sensors and the use of FRP.

It is based on the new book Recent Advances in Bridge Engineering written by Baidar Bakht, Aftab Mufti and Leslie Jaeger. A copy of the book is included in the registration fee.

Speakers

Baidar Bakht, D.Sc., P.Eng., FCSCE, FCAE
President, JMBT Structures Research Inc.
Adjunct Professor of Civil Engineering, Universities of Toronto and Manitoba

Aftab Mufti, Ph.D., P.Eng., FCSCE, FCAE
President, ISIS Canada Research Network
Professor of Civil Engineering, University of Manitoba

Shamim Sheikh, Ph.D., P.Eng.
Professor of Civil Engineering, University of Toronto

[Click to view the brochure and to register](#)

International

“Show Your Carbon Footprint” Competition

The Centre for Sustainability and Excellence is hosting a competition, "Show Your Carbon Footprint", to award the organization with the most creative concept for a Carbon Neutral Event or Product. The contest winner will receive complimentary CSE supporting services (valued at \$20,000) for bringing the Carbon Neutral Event to fruition, as well as a complimentary e-mail marketing campaign throughout our network of contacts to promote the event or product. Contact CSE for further details at nick@cse-northamerica.org .

www.cse-northamerica.org

Entec UK Ltd - Principal Consultant in Transport Emissions Policy

London, Manchester, Reading, Bristol, Edinburgh, Leamington Spa, Northwich

Entec is a major environmental and engineering consultancy with over 800 staff and associates across a national network of offices.

Are you interested in doing work that informs policy related to transport emissions of greenhouse gases and air pollutants at a European and UK Government level? Are you interested in leading a team of consultants to develop business in policy development for road transport, shipping and aviation?

Our climate change and air quality policy team delivers a wide variety of challenging, high profile and cutting edge projects. We are integral to decision making of our clients, who include European Commission, UK Government and key private sector organisations. Due to the continued success of our business we are looking to expand the team with this key appointment.

If you join our growing team you could be working in any of the following areas:

- Developing and implementing European and UK Government climate change and air quality policy instruments related to road transport, shipping and aviation
- Providing technical advice related to greenhouse gas and air pollutant emissions reductions for road transport, shipping and aviation
- Helping companies in the transport sector develop strategies for dealing with climate change and air quality policies

You will lead a multi-disciplinary team of economists, engineers and policy specialists delivering policy services focussed on transport emissions. You will also lead business development activities and develop proposals for new projects.

You will have a demonstrable track record in policy development and technical analysis for at least one of the following transport areas: road transport, shipping and aviation. This will be combined with a successful track record in developing business in these areas.

For further information on this and other vacancies, or to apply, please visit www.entecuk.com (Environmental Management) or contact the Recruitment Team directly at recruit@entecuk.co.uk or + 44 (0)191 272 6283. CVs can be submitted online, by email or by post.

Upcoming Conferences/Events/Trade Show

Local

2009 Better Buildings Conference

The Manitoba Chapter, Canada Green Building Council offers their membership rate to all MEIA members.

The partners of the 2009 Better Buildings Conference are pleased to announce that conference registration is now open online at <http://www.betterbuildingsconference.com/registration.aspx>

Scheduled for April 7-8 at the Winnipeg Convention Centre, this year's conference features:

- an exciting lunch on day one in partnership with the Winnipeg Chamber of Commerce;
- a mix of local and national speakers covering the latest topics in green building and energy efficiency; and
- an expanded tradeshow exhibit

Also, be sure to register for the Second Annual Green Gala Dinner (tickets sold separately). The gala dinner will feature Kevin O'Leary of CBC's Dragons' Den and co-anchor of BNN's Squeeze Play. Mr. O'Leary's topic will be 'Entrepreneurship in the New Green Economy'.

For complete information and the conference agenda visit:

<http://www.betterbuildingsconference.com>

Better Buildings 2009 Conference and Exhibition
info@betterbuildingsconference.com
Tel: (204) 777-2662

Toastmasters Club on Waverley

The Manitoba Sector Training Network (MSTN) has started a Toastmasters Club at 1000 Waverley. Meetings are held every Wednesday from 12:00 – 1:00 p.m.

MEIA members are also MSTN members, and are invited to drop by any Wednesday to check out a meeting.

Capturing Opportunities

April 23 and 24
Brandon, Manitoba

The MEIA will be participating on a panel at Capturing Opportunities, hosted by the Manitoba Agriculture, Food and Rural Initiatives (MAFRI).

Watch this website: <https://www.capturingopportunities.ca> for further details of the conference to be held on April 23 and 24, 2009 in Brandon, Manitoba.

National

ONEIA 9th Annual Environment Industry Day

Ontario's Environment Industry – Open for (Green) Business.

Registration is now open for the 9th annual Environment Industry Day, held at Queen's Park each year by the Ontario Environment Industry Association (ONEIA). This year's theme is "Ontario's Environment Industry – Open for (green) business."

A popular feature of EID has always been the afternoon roundtable discussions with senior staff from various ministries. This year's roundtable topics are as follows:

- Green Energy
- Approvals Reform
- Waste Management / Waste Diversion Act
- Brownfields
- Sustainable Procurement
- Climate Change/Emissions/Cap-and-Trade

The day will also include meetings between teams of select ONEIA members, Ministers and MPPs. The evening reception, co-hosted with Environment Minister the Hon. John Gerretsen, is an excellent business networking opportunity, featuring a "who's who" of government and the environment industry.

WHAT: Environment Industry Day at Queen's Park

WHEN: April 29, 2009

WHERE: Ontario Legislature, Queen's Park, Toronto

COST: For ONEIA members, the fee of just \$150 (unchanged from last year) provides access to all or any parts of the day. Those who are friends of the Association or not yet ONEIA members pay \$150 to attend the reception.

TO REGISTER:

[ONEIA Member Registration](#)
[Non-Member Registration - Evening Reception](#)

Plus - new for 2009! In partnership with the Ministries of Environment, Economic Development and Research and Innovation and the Ontario Centres of Excellence, we will release the Deloitte-ONEIA research report. This groundbreaking study will look at how our province's environment industry can grow and prosper in coming years.

Pre-registration is highly recommended to avoid disappointment and because tighter security procedures at Queen's Park may not accommodate walk-in registrants.

Geo-Environmental Engineering (GEE 2009) conference in Vancouver

The BCEIA, in concert with the University of British Columbia, will co-sponsor this year's Geo-Environmental Engineering (GEE 2009) conference in Vancouver | June 10-12.

[GEE 2009](#) is an international forum involving 5 universities from France, Korea(2), Japan and Canada --the main purpose of which-- is to bring together industry, regulatory and academic professionals from the geotechnical, geological, hydrogeological, mining, chemical, environmental engineering, biology and toxicology disciplines, to seek new solutions to technical and regulatory issues regarding geo-environmental engineering and contaminated sites.

Call for abstracts from commercial operations/operators from across Canada.

Readers/Visitors can be directed to www.bceia.com for further information re: abstract samples and templates, registration details etc.

Hydrogeology Symposium

June 4-5, 2009
University of Saskatchewan.

This symposium highlights the work of Jim Hendry on aquitard hydrogeology but includes pre-eminent hydrogeologists from across the world including John Cherry himself.

For symposium information, click [here](#)
Registration form [here](#)

Design of Machine Foundations (1.4 CEUs)

Edmonton A: 21 May - 22 May 2009

Description

Soil dynamics is the branch of soil mechanics that deals with the behaviour of soil under dynamic loads. Different types of foundations are used to support structures subjected to dynamic loads or vibration producing machines. This course will focus on the analysis and design of these foundations. Topics to be discussed include:

Introduction

Design objectives, design procedure, basic notions, mathematical models, DOFs, types of dynamic loads, foundation types, excitation forces of machines, dynamic soil properties.

Shallow Foundations

Definition of stiffness, damping and inertia, circular shallow foundation, non-circular foundation, embedded footings, impedance functions of a layer on half-space.

Pile Foundations

Pile applications, mathematical models for pile analysis, stiffness and damping of piles, pile groups, interaction factors, impedance functions of pile groups, pile batter. Dynamic Response of Machine Foundations

Response of rigid foundations in 1 DOF, effects of vibration, response of rigid foundations in 2 DOF and 6 DOF, response of structures on flexible foundations.

Dynamic Response of Hammer Foundations

Types of hammers and hammer foundations, design criteria, mathematical models, impact forces, response of one and two mass foundations, impact eccentricity.

Vibration Damage and Remedial Measures

Damage and disturbance, problem assessment and evaluation, remedial principles, examples from different industries, sources of error.

Computer Workshop –DYNA5

Types of foundations, types of soil models, types of load, types of analysis and types of output, practical considerations, computer work on DYNA5.

For full course details and registration please check this link:
<http://www.gic-edu.com/coursedetail.aspx?id=285>

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EID offers environment firms the opportunity to meet MPPs and Ministers throughout the day and discuss environmental issues with senior staff from various ministries at the afternoon roundtables. The evening reception, co-hosted with Environment Minister the Hon. John Gerretsen, is an excellent business networking opportunity, featuring a "who's who" of government and the environment industry.

What: Environment Industry Day at Queen's Park
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EPIC: The Vancouver Sun Sustainable Living Expo

May 8 - 10, 2009

EPIC: The Vancouver Sun Sustainable Living Expo is Vancouver's largest green consumer show and eco-marketplace. Visit EPIC to learn about environmentally-friendly products and companies that mix style and quality with sustainability.

Greening your life is easy - all you need is a little education and inspiration. EPIC has lots of both. Join us for this three day celebration of green living, and surround yourself with truly inspiring people and environmentally innovative products.

Learn how to live a healthier, more sustainable life from experts in everything from eco traveling to green weddings. Reveal your inner treehugger and spend the day shopping in our marketplace of over 200 organizations offering the latest green

products that are earth-friendly, ethically sourced, and better for your health. Let EPIC inspire you to 'Shop and Th!nk'.

International

The Ceres Conference 2009—Achieving a Sustainable Global Economy

April 15-16, 2009

The Fairmont - San Francisco, CA

You are invited to this unique forum for learning, interaction and dialogue on climate change and other issues featuring NGO, investor, business, academic and government leaders.

[Click here to see the agenda and speakers for the Ceres Conference 2009](#)

Or visit www.ceres.org

Environmental Law Expert Meeting: The European Position Towards Copenhagen: A Global Outlook

Maastricht University, together with the IUCN Academy of Environmental Law, is organizing a high-level environmental law expert meeting entitled 'the European position towards Copenhagen: a global outlook', which will take part at the faculty of law of Maastricht University on 20 May 2009.

A global team of environmental law professors, representing every continent of the world, will discuss the proposals set out by the European Commission in its Communication of 28 January 2009, "Towards a comprehensive climate change agreement in Copenhagen", and the subsequent decisions of the European Parliament and the Council. The experts will present their views on the possible further design of the international climate change framework, particularly from the perspective of the specific situation of their region, and will examine from those perspectives the feasibility of the position set out by the European institutions.

This expert meeting is designed for environmental lawyers and scholars, including students, and also for other persons active with climate change policy and law such as representatives from NGO's, governments and industry. The programme is attached. Those that wish to attend, please send a short motivated request for registration with bio statement to Javier de Cendra de Larragán: javierdecendra@facburfdr.unimaas.nl.

Registration is limited to 60 persons.

For further details, see the following link
<http://www.unimaas.nl/default.asp?template=werkveld.htm&id=3DRU4752BXE0NR72Q>

Canadian Pavilion at Designbuild 2009 in Sydney, Australia

May 21 – 23, 2009

There will be a Canadian pavilion at Designbuild 2009, an international building and design exhibition, for the building, construction, building products and design sectors. The tradeshow will be held May 21-23, 2009 in Sydney, Australia.

Opportunities for Canadian building products exports exist in the provision of innovative building products and materials. Some of the products in demand include insulation materials, energy-efficient and environmentally friendly green building products, wood-based building products and Do-It-Yourself home improvement components.

<http://www.international.gc.ca/canadexport/articles/90121d.aspx>

Local Renewables 2009 Conference

April 27 - 29, Freiburg, Germany

Local Renewables is *the* international conference presenting flagship examples, proven successes and state-of-the-art technologies and approaches in the transition towards renewable energy at the community level. Multiple study tours on innovative sustainable energy solutions are offered.

Confirmed prominent international speakers include:

- Dr. Hermann Scheer, President of EUROSOLAR, General Chairman of the World Council for Renewable Energy (WCRE), co-founder of International Renewable Energy Agency (IRENA), and recipient of the Right Livelihood Award
- Dr. Monica Oliphant, President of the International Solar Energy Society (ISES)
- Dr. Volker Wittwer, Deputy Director of the Fraunhofer Institute for Solar Energy Systems, the largest solar energy research institute in Europe
- Dr. Eric Martinot from the Institute of Sustainable Energy Policies, main editor of the REN21 Renewables Global Status Report.

To register and to find more information about programme and logistics, please visit the website:

www.local-renewables.org/freiburg2009 or contact our conference team at lr2009@iclei.org

Clean Technology Conference and Expo 2009

May 3 – 7, 2009

George R. Brown Convention Center
Houston, Texas

Our Mission: Advance the development, commercialization and global adoption of clean technologies and sustainable industry practices.

Powerful Community: Clean Technology 2009 brings together over 5,000 [technology and business leaders](#) and experts from academia, investment, government, startups and Fortune 1,000 companies.

Delivering Results: Identifying latest clean technologies and commercial sustainable solutions, driving advanced research insight and best practices, matching buyers and sellers, enabling strategic partnerships, and providing IP licensing, venture capital, corporate financing and customer acquisition opportunities.

For more information click [here](#)

Monitoring Climate Change Impacts: Establishing a Southern Ocean Sentinel Program

Workshop 20-24 April 2009
CCAMLR Headquarters, Hobart, Tasmania, Australia

Supported by the Australian Antarctic Division (AAD), WWF, and the Antarctic Climate and Ecosystems Co-operative Research Centre (ACE CRC)

A timely interdisciplinary workshop to address important issues in measuring, assessing and providing early-warning detection of climate change impacts on marine ecosystems and biodiversity, by measuring change in the Southern Ocean. A key focus will be to promote national and international collaboration.

Scientists, policy and decision-makers and representatives of NGOs are invited to participate.

For further information visit www.aad.gov.au/sentinel or email sos@aad.gov.au