



Smart Metering & Advanced Metering Infrastructure Conference & Exhibit

Conference Program

Monday, November 30, 2009

Welcome Reception: Sunday, November 29, 2009

Royal Botanical Gardens

680 Plains Road West; Burlington Ontario L7T 4H4

Smart Meters are a key part of Ontario's new smart electricity system, and of building a culture of conservation and demand response across the province

Organized by:

Energy Studies Review of McMaster University's DeGroote School of Business;

<http://esr.degroote.mcmaster.ca/nov3009.html>

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Ontario's Electricity Users and Distributors will soon be connected via Smart Grids and have access to new information and tools to manage energy usage and costs:

- How are you preparing?

SMART Meters and AMI can make significant contributions to the security of Ontario's energy supply and positive contributions to Ontario's environment.

- Come and learn how you can be a part of the SMART Solution

Chair's Welcome

This Conference will bring together industry and utility leaders, experts and stakeholders in the fields of advanced metering infrastructure (AMI), meter data management (MDM), communications, intelligent grids, energy efficiency, to help utilities, energy users, manufacturers and service providers, community planners, and other stakeholders understand and identify how Smart Metering and Smart Grids will impact their organizations and how these new technologies and systems can provide benefits to their organizations.

Putting Policy into Practice:

The Government of Ontario has mandated a Smart Metering Initiative that will see the installation of Smart Meters for all Ontario customers by 2010. Come and hear from the leading companies and innovators that are using this policy as a foundation for providing increased benefits to end-users and their organizations. Share your experiences at the interactive panel discussion. Learn about the latest technologies from leading suppliers. Discuss issues and opportunities with key stakeholders at the various networking sessions

We have assembled a broad cross-section of speakers who will cover a wide range of topics. I welcome you to come and join us to learn about the future implementation, implications and benefits of smart metering and advanced metering infrastructure.

Best regards,

Dean C. Mountain
Editor-in-Chief,
Energy Studies Review



Welcoming Reception

Sunday, November 29, 2009

7:00 to 8:30 pm; **Royal Botanical Gardens**
680 Plains Road West
Burlington Ontario L7T 4H4

(see directions on the last page)

**Meet and greet your colleagues interested in
Smart Metering & Advanced Metering
Infrastructure**

Conference Program

Monday, November 30, 2009

MORNING AGENDA

8:00 **Registration Opens / Continental Breakfast**
Royal Botanical Gardens – "Foyer"

8:30 **Opening Plenary**

Dean Mountain, Conference Chair
Welcoming Remarks

Introduction of Keynote Speaker: Paul Bates,
Dean, DeGroot School of Business, McMaster Univ.

KEYNOTE SPEAKER



**Serving the Customer
Yesterday, Today & Tomorrow:
The Promise of AMI**

Myles D'Arcey,
*Senior Vice President,
Customer Operations, Hydro One*

**9:30 -
10:00** **Morning Refreshment Break
Exhibits Open**

**10:00 -
11:45** **Concurrent Session 1A
- Smart Metering & AMI Systems**

**Ontario's Smart Metering System Implementation
Program - lessons learned,**
Edward Arlitt, IESO

**Transforming the Grid into a Smart
Communicating Network,**
John Loucks, Electricity Distributors Association

**Using Smart Metering Networks to Control
Customer Loads,**
Ben Sharpe, Tantalus Systems Corp.

**Use of 1.8 GHz WiMAX in SmartGrid Networks
- A Canadian Perspective,**
Kevin Sutor, Redline Communications Inc.

**10:00 -
11:45** **Concurrent Session 1B
- Delivering Consumer & Societal Benefits**

**Empowering Consumers to Manage Energy &
Environmental Impacts,**
Giuliana Rossini, Hydro One

**Instantaneous Energy-Usage Displays & Impacts
on Customer Behaviour,**
Dean Mountain, McMaster University

AMI's Value Proposition Beyond the Utility,
Tim Wolf, R.W. Beck, an SAIC Company

Smart Home Technology in Milton Ontario,
Ian Rowlands, University of Waterloo

10:00 -
11:45

Concurrent Session 1C
- AMI & New Business Opportunities

Business Development in Smart Metering & AMI,
Robert Stasko, Ontario Centres of Excellence

Expanding Energy Innovation using Smart Grids,
Kaushik Bhattacharjee, REI Power

Consumer Tools for Energy Info & Management
- Lots of Options on the Way! ,
Peter Porteous, Blue Line Innovations

Smart Appliances – Empowering the Consumer,
Warrington Ellacott, Whirlpool Canada

11:50

LUNCH

12:15

Luncheon Keynote

Introduction of Luncheon Speaker,



The “Biology” of Smart Grid,
Clement C. Chen,
Sr. VP - Strategic Development, SAIC

12:45 -
1:15

Exhibits Open

1:15 -
3:00

Concurrent Session 2B
- AMI: Utility Benefits & Challenges

Utility Benefits of Smart Metering & AMI,
Rick Stevens, Hydro One

Minimizing Resistance to Time-of-Use Rates
Through Customer Education,
Sandy Manners & Shelley Parker, Horizon Utilities

Aggregating Loads to Create Large Demand
Response Resources for Utilities,
Paul Grod, Rodan Energy Solutions Inc.

Smart Metering – Lessons Learned,
Bruce Orloff, IBM

1:15 -
3:00

Concurrent Session 2C
- AMI Brings DR to the Mass-market

Ontario's Residential Peaksaver Program,
Sasha Sud, Ontario Power Authority

The Case for Utility Controlled Zoning of
Residential Cooling Systems,
Jeremy Sager, Natural Resources Canada

New HVAC Designs Promise to Lower Summer
Cooling Loads and Improve Comfort,
Bart Lomanowski, Natural Resources Canada

3:00 -
3:30

Afternoon Refreshment Break
Exhibits Open

AFTERNOON AGENDA

3:30

Closing Plenary

Panel Discussion

1:15 -
3:00

Concurrent Session 2A
- Advanced Rate Design & TOU Rates

TOU, RTP and DR
Frank Lenarduzzi, Terra Power Systems Inc.

Introduction of TOU Rates to the Residential Sector
in Ontario,
Rusty Chute, staff, Ontario Energy Board

The Benefits of Real-Time Pricing,
Nash Peerbocus, IESO

Designing a Strategic Portfolio of Pricing Plans,
Ken Deal, McMaster U./ marketPOWER Research Inc.,
and Bryan Scott, Oklahoma Gas & Electric Co.

4:45 -
6:00

Closing Reception

AMI – What is needed to deliver optimum efficiency

Moderator: Marion Fraser, Fraser & Company

Panel Members:

Rick Stevens, Hydro One

Paul Shervill, Ontario Power Authority

Jonathan Ziegler, Onzo Corporation

Who Should Attend

Local Distribution Companies
Electric Utility Companies
Electricity Retailers
Power users
Municipal and community planners
Energy Consultants
Equipment and Controls Manufacturers
Renewable Energy Suppliers
Energy Service Providers
System Operators
Energy Regulators
Government Agencies
University Researchers
Building Owners / Property Managers
Plant and Facility Managers
Maintenance Managers

2009 Exhibition

Exhibitors at this year's Conference include the following companies:

Blue Line Innovations
Capgemini
Elster Metering
Horizon Utilities
Hydro One
Redline Communications
SAIC
Terra Power Systems

What You Will Learn

- new demand response and energy management options;
- benefits to the customer (e.g., instantaneous usage feedback, consumer empowerment, environmental and cost-savings);
- advanced rate design options;
- benefits to utilities;
- technology and communication options;
- the role of legislation and government;
- integration of AMI with customer technologies, such as Zone Comfort™;
- interactions with smart grids.

Conference Proceedings

The Conference Proceedings will be posted on the **Energy Studies Review (ESR)** website shortly after the conference date.

Please go to the ESR website and follow the links to the **2009 Conference Proceedings**.

ESR website:

<http://esr.degroote.mcmaster.ca/nov3009.html>

Need Information?

Please contact Energy Studies Review:

Ruth Sutherland
Tel: 905-525-9140 ext 24695
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Email: esr@mcmaster.ca

Web: <http://esr.degroote.mcmaster.ca>

REGISTRATION: - SMART METERING & AMI CONFERENCE; November 30, 2009

Register & Pay Online using a credit card at: <https://mgdssl.business.mcmaster.ca/registration/>

Register & Pay using a cheque and the Mail-in Form; fill out the following:

Name: _____ Yes, I will attend the WELCOME RECEPTION
on Sunday, November 29, 2009

Company: _____

Address: _____ City: _____

Prov/State: _____ Postal Code/Zip: _____ Tel: _____

Fax: _____ Email: _____

Registration Payment: Cheque - payable to McMaster University (please enclose)

Yes, I am interested in being an exhibitor - Please reserve my booth space;

Please enclose booth fee - cheque, payable to McMaster University

Registration Fees: Early Bird Rate: \$210 per person (\$200.00 registration + \$10.00 GST) - up to & including November 15, 2009
Regular Rate: \$260 per person (\$247.62 registration + \$12.38 GST) - after November 15, 2009
Student Rate: \$50 per person (\$47.62 registration + \$2.38 GST)
Exhibit Booth Rate: \$1,050 (\$1,000.00 booth fee + \$50.00 GST)

GST #R119035988

and MAIL to: **Ruth Sutherland, (email: esr@mcmaster.ca)
McMaster University, Faculty of Business DSB-243
1280 Main Street West
Hamilton, Ontario, Canada, L8S 4M4**



Driving Directions:

From Toronto and East

Queen Elizabeth Way to Highway 403 West (Hamilton). Exit at Highway 6 North. **NOTE: road construction has redirected traffic and signs are now dated:** travel 800 metres north along Hwy 6 to York Road. Exit York Road, turn right and then turn left onto the new Plains Road and come south along Plains Road crossing over the 403. Turn left at the lights to continue on Plains Road West for about 1 km, passing the glass building. Turn right into the main RBG parking lot

From Kitchener-Waterloo and West, including Detroit

Highway 401 East to Highway 6 South. Follow Highway 6 South for about 25 km. **NOTE: road construction has redirected traffic and signs are now dated:** exit onto York Road, make a left and then a right on the new Plains Road and drive south crossing over the 403. Turn left at the lights to continue on Plains Road West for about 1 km, passing the glass building. Turn right into the main RBG parking lot.

From the Niagara Region and Buffalo

Queen Elizabeth Way to Highway 403 West (Hamilton). Exit at Highway 6 North. **NOTE: road construction has redirected traffic and signs are now dated:** travel 800 metres north along Hwy 6 to York Road. Exit York Road, turn right and then turn left onto the new Plains Road and come south along Plains Road crossing over the 403. Turn left at the lights to continue on Plains Road West for about 1 km, passing the glass building. Turn right into the main RBG parking lot.