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# ELECTRONICS & BATTERY RECYCLING '08

International Conference, Exhibition & Plant Tours  
June 3-6, 2008, Toronto, Canada



Patronage:

- Institute of Scrap Recycling Industries, Inc. (ISRI)
- International Association of Electronics Recyclers (IAER)
- Rechargeable Battery Recycling Corporation (RBRC)
- Portable Rechargeable Battery Association (PRBA)



Sponsored by:



## Foreword



### Welcome to Toronto!

On behalf of the International Steering Committee and the supporting organizations we welcome you to Electronics & Battery Recycling '08.

The aim of the conference is to bring together the leading experts in the fields of recycling technologies, manufacturing, metal and chemical industry, waste collection, research and development, legislation and policy-making from all over the world. It is an ideal platform to exchange information with government, business and academia, to meet your business partners and to gain access to existing and potential clients.

The conference offers outstanding keynote speakers and 2 parallel sessions for

electronics and battery recycling with many international speakers. It also includes a large exhibition area and five plant tours to the leading recycling and smelting companies in Canada.

End of life electrical and electronic equipment and spent batteries represent one of the biggest and fastest growing waste streams worldwide. These waste streams represent a significant environmental challenge but also an opportunity to conserve valuable resources. Managing it represents a challenge that has engaged a wide group of stakeholders. The focus going forward must be to arrive at solutions that are sustainable.

As you can see, there are many reasons for you to come to Toronto and share your experience among other leaders from the recycling sector.

I wish all participants a productive stay in Toronto and look forward to meeting you in the beautiful Westin Harbour Castle hotel, a venue with a breathtaking view of Toronto's lake front.

### Paul Healey

Chairman of the Steering Committee  
Electronics & Battery Recycling'08

## Keynote Speakers



### John Gerretsen (invited)

Minister of the Environment of Ontario  
Canada

*"Welcome to Ontario – a place where environment and sustainability set new standards"*



### Douglas Smith

Sony Electronics Inc.  
Director, Corporate Environment  
Safety and Health  
USA

*"As easy to recycle as it is to purchase:  
Sony's full producer responsibility program"*



### Allen Hershkowitz, Ph.D.

Senior Scientist  
Natural Resources Defense Council  
USA

*"Barriers to sustainable commerce"*



## International Steering Committee

### Chairman:



**Paul Healey**  
Xstrata Copper  
Senior Director  
Recycling  
Canada

### Co-Chairmen:



**Linda Biagioni**  
The Black & Decker  
Corporation  
Vice President Environ-  
mental Affairs  
USA



**Roger Burri**  
Air Mercury AG  
President  
Switzerland



**Cindy Couitts**  
Sims Recycling Solutions  
Senior Vice President  
Canada



**Alfred Hambsch**  
Barrie Metals Group of  
Companies  
CEO  
Canada



**Prof. Duan Weng**  
Tsinghua University  
Director of the Institute  
for Energy & Environment  
Materials  
China

### Steering Committee Members:



**Manfred Beck**  
Recycling International  
Magazine  
Editor  
Netherlands



**Dr Michael B. Biddle**  
MBA Polymers, Inc.  
CEO and President  
USA



**Ed Butler**  
Nokia Inc.  
CMO Environmental Affairs  
USA



**Todd Coy**  
Kinsbursky Brothers, Inc.  
Executive Vice President  
USA

## International Steering Committee



**Dr Viktor Haefeli**  
Chairman of IERC  
RUAG Components  
CEO  
Switzerland



**Eric Harris**  
Institute of Scrap Recycling  
Industries, Inc.  
Director of Governmental  
and International Affairs &  
Associate Counsel  
USA



**Steve Heddle**  
Inmetco Inc.  
President  
USA



**Patrick Henrion**  
Xstrata Nickel  
Manager Raw Materials  
Belgium



**George A. Kerchner**  
Portable Rechargeable  
Battery Association  
Executive Director  
USA



**Andreas Krebs**  
Batrec Industrie AG  
Managing Director  
Switzerland



**Jill Ledger**  
SAFT  
Corporate Communica-  
tion and Investor Relations  
Director  
France



**Prof. Theo Lehner**  
Boliden Mineral AB  
Manager Business  
Development  
Sweden



**Thibault Maillard**  
Norval / SITA  
General Manager  
France



**Wayne Rifer**  
Green Electronics Council  
Operations Director  
Electronic Product  
Environmental Assessment  
Tool (EPEAT)  
USA



**Stephan Schwarz**  
Immark Deutschland GmbH  
General Manager  
Germany



**Prof. Bruno Scrosati**  
Chairman of ICBR  
University La Sapienza  
(Rome)  
Department of Chemistry  
Italy



**Douglas Smith**  
Sony Electronics Inc.  
Director, Corporate  
Environment, Safety and  
Health  
USA



**Renee St. Denis**  
Director, Americas Product  
Take Back  
Hewlett-Packard Company  
USA





## Location of the Conference

The Electronics & Battery Recycling '08 International Conference, Exhibition & Plant Tours will be held in the hotel Westin Harbour Castle from June 3 – 6, 2008 in Toronto, Canada.

### The Westin Harbour Castle\*\*\*\*\*

One Harbour Square  
Toronto, ON M5J 1A6, Canada

Phone +1 416 869 1600  
Fax +1 416 869 1420

[www.westin.com/harbourcastle](http://www.westin.com/harbourcastle)



Located on the shores of scenic Lake Ontario the Westin Harbour Castle offers easy access to both worlds – the unique waterfront with the Toronto Islands just across and the bustling centre of Toronto, Canada's most cosmopolitan and richly diverse city.



## Hotel Accommodation

For the participants of the conference a number of rooms are held until **May 2, 2008** at a special rate in the hotel „The Westin Harbour Castle“.

Reservation after this date will be subject to space and rate availability. If you wish, you may also extend your stay at the same rate.



### The Westin Harbour Castle\*\*\*\*\*

One Harbour Square  
Toronto, ON M5J 1A6  
Phone +1 416 869 1600  
Fax +1 416 869 1420

[www.westin.com/harbourcastle](http://www.westin.com/harbourcastle)

Conference place



### Radisson Admiral Hotel \*\*\*\*

Toronto Harbourfront  
249 Queen's Quay West  
Toronto, ON M5J 2N5  
Phone +1 416 203 3333  
Fax +1 416 203 3100

[www.radissonadmiral.com](http://www.radissonadmiral.com)

5 minutes walking distance to the conference place

## Conference Structure

### Tuesday, June 3, 2008 / Plant Tours

09.00 - 18.00 Plant Tour 1  
Sims, Brampton  
GEEP & Barrie Metals, Barrie

09.00 - 14.30 Plant Tour 2  
GEEP & Barrie Metals, Barrie

13.00 - 17.30 Plant Tour 3  
Sims, Brampton

18.00 Cocktail reception in the exhibit hall / trade show

19.00 1<sup>st</sup> Steering Committee Meeting

### Wednesday, June 4, 2008 / Conference & Exhibition

07.00 - 09.00 Coffee and tea

09.00 - 12.30 Keynote Speakers & Panel Discussion  
"Challenges in the Worldwide Electronics & Battery Recycling Business"

14.00 - 17.00  
Electronics Recycling Session (I)  
"How do OEMs close the recycling loop?"

14.00 - 17.00  
Battery Recycling Session (I)  
"How do OEMs close the recycling loop?"

19.00 Networking Dinner

### Thursday, June 5, 2008 / Conference & Exhibition

08.00 - 09.00 Coffee and tea

09.00 - 12.30  
Electronics Recycling Session (II)  
"Best available technologies"

09.00 - 12.30  
Battery Recycling Session (II)  
"Best available technologies"

14.00 - 17.00  
Electronics Recycling Session (III)  
"Legislation and collection schemes"

14.00 - 17.00  
Battery Recycling Session (III)  
"Legislation and collection schemes"

17.00 Cocktail reception in the exhibit hall / trade show

19.00 2<sup>nd</sup> Steering Committee Meeting

### Friday, June 6, 2008 / Plant Tours

07.00 - 20.30 Plant Tour 4  
Xstrata Nickel, Sudbury

08.00 - 19.00 Plant Tour 5  
Xstrata Copper, Rouyn

## Who should attend?

- Original electronic equipment and battery manufacturers (OEMs)
- Electronic components suppliers
- Electronic equipment importers and dealers
- Retailers
- Waste management companies
- Recycling and dismantling companies
- Shredding companies
- Plastic industry
- Non ferrous metal industry
- Ferrous and stainless steel industry
- Schemes, systems and financing organizations for electronics and battery waste recycling
- Environmental authorities
- Universities and research institutes
- Laboratories for material science

## Organizer

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Jeanette Duttlinger  
Conference Organizer



Yvonne Steiner  
Conference Assistant



Susann Schmid  
Conference Assistant



Ying Liu  
Conference Assistant



Claudia Gerstendörfer  
Conference Assistant

## **Plant tour 1 on Tuesday, June 3, 2008**

- **Sims Recycling Solutions, Brampton**
- **GEEP (Global Electric Electronic Processing International Inc), Barrie**
- **Barrie Metals, Barrie**

09.00	Departure by bus from the Westin Harbour Castle to Sims Recycling Solutions
10.00	Arrival at Sims Recycling Solutions, Brampton
10.00 – 12.00	Visit of the electronics recycling plant of Sims Recycling Solutions
12.00 – 14.00	Bus tour from Brampton to Barrie / Lunch
14.00	Arrival at GEEP & Barrie Metals, Barrie
14.00 – 16.00	Visit of the electronics & metal recycling plant and the NanoFuel process
16.00 – 18.00	Scenic bus tour from Barrie to Toronto
18.00	Arrival at the Westin Harbour Castle

**Sims Recycling Solutions (SRS)** is the world's largest electronics recycler with No. 1 market positions in the United Kingdom, Continental Europe, North America and Australia. SRS is a subsidiary of Sims Group Limited, a \$5.5 billion (Australian) publicly traded company that is the world's largest metals recycler with No. 1 or No. 2 market positions in Australia, New Zealand, United Kingdom, the US and Canada.

SRS and Sims Group Limited have a proven track record and commitment to environmentally sound, secure recycling and management. In North America, SRS will process over 100 million pounds of electronic scrap in FY2007 and over 600 million pounds globally. All of the SRS locations are currently ISO 14001 registered or implementing. There are currently seven locations in North America (3 in California, 2 in Illinois, 1 in Tennessee and 1 in Ontario) totaling 812,000 square feet and 532 employees. Some facilities have been in operation for over 50 years. SRS currently has 18 e-waste recycling operations worldwide and 27 of the Fortune 100 as clients. SRS takes product stewardship and sustainable development very seriously and have integrated these philosophies into a successful recycling business that offers unique growth potential and environmental benefits.

SRS processes an average of 1.5 million pounds per month of e-waste from across Canada and the northeast US at our facility in Brampton, ON. We are permitted to operate three shifts, 24 hours, 7 days per week.

SRS Brampton is the only electronics recycler to offer a 100% recycling solution, with no hardware going to landfill or export. We have the strictest downstream accountability in the industry, ensuring all sub-vendors meet our superior level of environmental, security and health & safety standards. Full physical audits of all sub-vendors are completed to guarantee the services performed meet the needs and demands of our customers.

Our state-of-the-art facility and process have been approved by the RCMP for the handling, destruction and recycling of top secret and highly classified materials. We are approved by the Federal Government as a Controlled Goods Processor and ensure the highest level of security for all customers.

**G.E.E.P. International** is a full service, global, asset management company dealing with end of life electric and electronic equipment including telecommunications. Our in-house processes and operational excellence coupled with genuine concern for the environment and innovative spirit makes us leaders in the field of electronic recycling and waste diversion.

We pride ourselves on a closed loop system and in meeting the unique needs of all of our customers, some of which include leading manufacturers. Specific customer needs include individualized reporting requirements, de-manufacturing, refurbishing, and asset management.

Working in partnership with telecommunication service providers and manufactures, Global Electric Electronic Processing Inc. (G.E.E.P.) is North America's largest, most comprehensive state-of-the-art recycling facility for E-Waste.

To assist in achieving our zero landfill objectives, G.E.E.P has formed NanoFuel Solutions. Through the NanoFuel process, all non-usable co-mingled plastics derived from processing electronic waste can be turned into diesel fuel (oil).

It is our belief that e-waste is a global issue and therefore it is our goal to become a true global service provider. Our Company has grown rapidly and continues to pursue logistic locations to serve manufacturers needs. Many of these locations are owned and operated by GEEP Canada and we are approaching Joint Venture majority ownerships of GEEP International in many regions in the world. In addition, Geep has completed a merger with the leading WEEE processor in Europe, Immark and One51.

**Barrie Metals Inc.**, a 22 year old company with over 100 million in annual sales, operates an industrial supply store and steel distribution center under the Automatic Steel branding. We also provide a complete range of ferrous and non-ferrous recycling capabilities to a variety of suppliers. All of this has created and promotes a strategy that has allowed the company to be a one-stop facility for electric and electronic equipment processing.

Nominated of one of "Canada's Top 50 Best Managed Companies", Barrie Metals Inc. is an integrated metal management company with an extensive array of state of the art processing equipment. With a strong customer based and a wide range of handling equipment, Barrie Metals can offer both dynamic recycling solutions for all of the major ferrous and non-ferrous material streams for both corporate and private industry.



More information at:  
[www.ca.sims-group.com](http://www.ca.sims-group.com)



More information at:  
[www.geepglobal.com](http://www.geepglobal.com)



## Plant tour 2 on Tuesday, June 3, 2008



- GEEP (Global Electric Electronic Processing International Inc), Barrie
- Barrie Metals, Barrie

09.00	Departure by bus from the Westin Harbour Castle to Barrie
10.30	Arrival at GEEP & Barrie Metals, Barrie
10.30 – 12.30	Visit of the electronics & metal recycling plant and the NanoFuel process
14.30	Arrival at the Westin Harbour Castle

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More information at: [www.geepglobal.com](http://www.geepglobal.com)

## TOUR Geep's Global Closed Loop Solution



Global Electric Electronic Processing

International Headquarters: 220 John Street, Barrie, ON Canada L4N 2L2  
[www.geepglobal.com](http://www.geepglobal.com) 1-705-725-1919 Toll Free 866-288-8016

## Plant tour 3 on Tuesday, June 3, 2008



### • Sims Recycling Solutions, Brampton

13.00	Departure by bus from the Westin Harbour Castle to Brampton
14.00	Arrival at Sims Recycling Solutions, Brampton
14.00 – 16.00	Visit of the electronics recycling plant
16.00 – 17.30	Scenic bus drive along the coast and the city of Toronto
17.30	Arrival at the Westin Harbour Castle

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**More information at: [www.ca.sims-group.com](http://www.ca.sims-group.com)**

The advertisement features a dark blue background with a light blue world map. The text is arranged in a diagonal layout. At the top left is the SIMS logo. The main headline reads 'TRUST THE INDUSTRY LEADER RECYCLE WITH SIMS'. Below this, a sub-headline states 'As the world's largest electronics recycler, we have the capabilities, facilities and capacity to handle the challenges you face today.' A bulleted list follows: '• Environmentally Responsible Recycling', '• No Data Security Risks', '• Cost-Effective Logistics', '• Maximum Asset Recovery', and '• Employee Health &amp; Safety'. At the bottom, contact information is provided: 'For more information, please contact: srsinfo@us.sims-group.com (800) 323-1574 www.simsrecyclingsolutions.com'. The SIMS logo and 'SIMS RECYCLING SOLUTIONS' text are repeated at the bottom left of the ad.



# Conference Program

## Wednesday, June 4, 2008

07.00 – 09.00 Registration

Welcome coffee and tea

09.00 – 09.30 “Welcome & Introduction” by  
**Paul Healey, Chairman of the Steering Committee**  
**Roger Burri, Co-Chairman of the Steering Committee**

### Keynote Speakers and Panel Discussion

09.30 – 11.00 Keynote Speakers:

“Welcome to Ontario – a place where environment and sustainability set new standards”

**John Gerretsen, Minister of the Environment of Ontario, Canada (invited)**

“As easy to recycle as it is to purchase: Sony’s full producer responsibility program”

**Douglas Smith, Sony Electronics Inc., USA**

“Barriers to sustainable commerce”

**Allen Hershkowitz, Ph.D., Natural Resources Defense Council, USA**

11.00 – 11.30 Coffee break

11.30 – 12.30 Panel Discussion:

“Challenges in the Worldwide Electronics & Battery Recycling Business”

Moderator: **Cindy Coufts, Sims Recycling Solutions, Canada**

#### Participants:

**John Gerretsen, Minister of the Environment of Ontario, Canada (invited)**

**Douglas Smith, Sony Electronics Inc., USA**

**Allen Hershkowitz, Ph.D., Natural Resources Defense Council, USA**

**Alfred Hamsch, GEEP Inc., Canada**

**Eric Harris, ISRI, USA**

**Mark Tomaszewski, Inmetco Inc., USA**

**Jill Ledger, SAFT, France**

12.30 – 14.00 Lunch in the exhibit hall

## Wednesday, June 4, 2008

### Electronics Recycling I: How do OEMs close the recycling loop?

Session Chairman: **Joanne St. Godard, RCO, Canada**

14.00 – 14.30 “Canon’s clean earth campaign”  
**Angela Wilson, Canon Canada Ltd., Canada**

14.30 – 15.00 “EPSC vendor qualifications”  
**Jay Illingworth, Electronics Product Stewardship Canada (EPSC), Canada**

15.00 – 15.30 “News and update of HP’s global take back program and the recycling solutions of HP products”  
**Renee St. Denis, Hewlett-Packard Company, USA**

15.30 – 16.00 Coffee break

16.00 – 16.30 “Pitney Bowes does more”  
**Karin Doherty, Pitney Bowes, Canada**

16.30 – 17.00 “What’s the brand and who’s the manufacturer: An analysis of the implementation of US State Electronics Recycling Systems”  
**Jason Linnell, National Center for Electronics Recycling, USA**

### Battery Recycling I: How do OEMs close the recycling loop?

Session Chairman: **Steve Heddle, Inmetco Inc., USA**

14.00 – 14.30 “Returned product: Black & Decker’s reconditioning and recycling program”  
**Linda Biagioni, The Black & Decker Corporation, USA**  
**Colin Thirlaway, The Black & Decker Corporation, United Kingdom**

14.30 – 15.00 “Environmental and legislative challenges faced by the EU battery industry”  
**Jill Ledger, SAFT, France**

15.00 – 15.30 “Lessons from – or at least midway through – the recycling policy wars”  
**David Weinberg, Wiley Rein LLP (legal counsel to BCI, PRBA, RBRC & MRM), USA**

15.30 – 16.00 Coffee break

16.00 – 16.30 “How Canadian retailers are dealing with battery recycling on a retail scale”  
**Paul Berto, The Home Depot, Canada**

16.30 – 17.00 “Primary battery recycling perspectives”  
**Marcus Boolish, National Electrical Manufacturers Association (NEMA), USA**

19.00 Networking dinner



## Thursday, June 5, 2008

08.00 – 09.00 Coffee and tea

### **Electronics Recycling II: Best available technologies** Session Chairman: Mike Biddle, MBA Polmers Inc., USA

- 09.00 – 09.30 "Simple and efficient WEEE recycling"  
**Wolfgang Bose, MeWa Recycling Maschinen und Anlagenbau GmbH, Germany**
- 09.30 – 10.00 "Global solution for E-recycling"  
**Alfred Hamsch, GEEP Inc., Canada**
- 10.00 – 10.30 "Fridge recycling is the best solution to avoid CFC emissions"  
**Patrick Lampert, RUAG, Switzerland**
- 10.30 – 11.00 Coffee break**
- 11.00 – 11.30 "The only strategic electronics asset and e-waste recycling company in Latin America"  
**Fernando Nilo, Recycla Chile S.A., Chile**
- 11.30 – 12.00 "Advances in high volume electronics processing at Xstrata Copper's Horne Smelter"  
**Simon-Pierre Morisset, Xstrata Copper, Canada**
- 12.00 – 12.30 "Leading the way with new WEEE solutions"  
**Cindy Coufts, Sims Recycling Solutions, Canada**
- 12.30 – 14.00 Lunch in the exhibit hall**

### **Electronics Recycling III: Legislation and collection schemes** Session Chairman: Wayne Rifer, Green Electronics Council, USA

- 14.00 – 14.30 "Electronics Recycling Alberta – Four years of learning and success"  
**Doug Wright, Alberta Recycling Management Authority, Canada**
- 14.30 – 15.00 "An overview and critique of Canada's WEEE programs"  
**Duncan Bury, Environment Canada, Canada**
- 15.00 – 15.30 "The US situation regarding E-recycling"  
**Eric Harris, ISRI, USA**
- 15.30 – 16.00 Coffee break**
- 16.00 – 16.30 "Status of waste electrical and electronic recycling and management in China"  
**Prof. Duan Weng, Tsinghua University, China**
- 16.30 – 17.00 "Recycling obligations: The business opportunity"  
**Bruce Parker, TechProtect International, Canada**
- 17.00 Cocktail reception in the exhibit hall**

## Thursday, June 5, 2008

08.00 – 09.00 Coffee and tea

### **Battery Recycling II: Best available technologies** Session Chairman: Todd Coy, Kinsbursky Brothers Inc., USA

- 09.00 – 09.30 "10 years of experience in the alkaline manganese and zinc carbon batteries recycling"  
**Mohamed Abid & Lyonel Picard, AFE Valdi, France**
- 09.30 – 10.00 "Recycling of batteries and other mercury containing waste"  
**Andreas Krebs, Batrec Industrie AG, Switzerland**
- 10.00 – 10.30 "Solvent extraction and characterization for the recycling of NiMH batteries"  
**Prof. Christian Ekberg, Chalmers University of Technology, Sweden**
- 10.30 – 11.00 Coffee break**
- 11.00 – 11.30 "Recycling Li-ion batteries at Xstrata Nickel"  
**Patrick Henrion, Xstrata Nickel International, Belgium**
- 11.30 – 12.00 "Umicore and SAFT closing the battery loop: Recycling lowers the environmental impact. The case for lithium-ion batteries"  
**Clémence Siret, SAFT, France**  
**Ghislain Van Damme, Umicore, Belgium**
- 12.00 – 12.30 "High temperature metal recovery from spent batteries"  
**Mark Tomaszewski, Inmetco Inc., USA**
- 12.30 – 14.00 Lunch in the exhibit hall**

### **Battery Recycling III: Legislation and collection schemes** Session Chairman: Andreas Krebs, Batrec Industrie AG, Switzerland

- 14.00 – 14.30 "European legislation: New Battery Directive"  
**Dr Jean-Pol Wiaux, Recharge, Belgium**
- 14.30 – 15.00 "Introduction to the Battery Recycling Association of North America"  
**Todd Coy, BRANA Battery Recycling Association of North America, USA**
- 15.00 – 15.30 "Policy and regulatory initiatives for spent consumer batteries in Canada"  
**Michael VanderPol, Environment Canada, Canada**
- 15.30 – 16.00 Coffee break**
- 16.00 – 16.30 "The recycling solution for manufacturers and marketers of rechargeable batteries and products"  
**Greg Broe, RBRC, USA**
- 16.30 – 17.00 "A comparative analyze of the implementation of Extended Producer Responsibility (EPR) regulations in Europe and Québec"  
**Ginette Bureau, Recyc-Québec, Canada**
- 17.00 Cocktail reception in the exhibit hall**

## Plant tour 4 on Friday, June 6, 2008

### • Xstrata Nickel, Sudbury



07.00	Departure by bus from the Westin Harbour Castle to Sudbury
11.30	Arrival at Xstrata Nickel, Sudbury
11.30 – 12.30	Lunch and short introduction
12.30 – 15.00	Visit of the recycling plant and the nickel smelter
15.30	Departure by bus to Toronto
20.30	Arrival at the Westin Harbour Castle

**Xstrata Nickel**, headquartered in Toronto, Canada, is one of Xstrata Group's global commodity businesses, comprising mines, smelting and refining facilities, exploration and growth projects located in various parts of the world including Canada, New Caledonia, Tanzania, Brazil... Xstrata Nickel is the world's 4th largest nickel producer and one of the top cobalt producers in the world.

The treatment of cobalt and nickel containing batteries is a natural extension for our cobalt and nickel recycling business given our strong market presence and recycling history. The Xstrata Nickel Li-ion and NiMh batteries recycling process is complementary to the existing process for primary metals production, and as such leads to high metal recoveries, good process economics and strict environmental compliance. The Xstrata Nickel process starts in Canada and ends with the production of top quality cobalt and nickel metals in Kristiansand, Norway.

In 2006, following detailed engineering, pilot-testing and environmental permitting we began the construction of a \$25.9 million recycling facility at our Sudbury smelter in Canada. The plant uses direct heat to process end-of-life (EOL) nickel metal hydride batteries from hybrid cars and EOL lithium batteries from laptops and cell phones, along with other custom feeds, in order to extract nickel and cobalt. The facility strengthens Xstrata Nickel's position as a market leader in nickel and cobalt recycling.

More information at: [www.xstrata.com](http://www.xstrata.com)

**World Leader in  
Li-Ion Battery Recycling**

**Xstrata Nickel**

Brussels, Belgium  
+32 2 401 8330

Pittsburgh, USA  
+1 412 494 9277

Barbados  
+1 246 435 9969



## Plant tour 5 on Friday, June 6, 2008



### • Xstrata Copper, Rouyn

08.00	Departure by bus from the Westin Harbour Castle to Toronto airport
09.00	Departure by plane to Rouyn
11.00	Arrival at Xstrata Copper, Rouyn
11.00–12.45	Introduction and Lunch
12.45–15.30	Visit of Horne Smelter, acid plant and raw materials processes
16.15	Departure from Rouyn by plane to Toronto airport
18.00	Arrival at Toronto airport
19.00	Arrival at the Westin Harbour Castle

### Description of Operation

The Horne Smelter is located in Rouyn-Noranda, Quebec. The smelter is a custom copper smelter which uses both copper concentrates and precious metal-bearing recyclable materials as its feedstock to produce a 99.1% copper anode. The anode is further refined at Xstrata Copper's Canadian Copper Refinery in Montreal to produce refined copper, precious metals and other specialty metals and chemicals.

Ongoing capital investments have kept the facility at the cutting edge of technology, with a strong focus on emissions reduction. The Horne smelter has the capacity to process 850,000 tonnes per annum of copper and precious metal-bearing materials. While the mine was closed in 1976, the smelter grew to become the largest and most advanced recycling plant of its kind in North America, with a unique ability to process electronic scrap and other complex feeds. In 2008, Xstrata announced an expansion that doubles the throughput of electronics at the Horne to 100,000 tonnes/year.

### About Xstrata Copper

Headquartered in Brisbane, Xstrata Copper is a business unit of Xstrata Plc, a major global diversified mining group with operations and projects spanning 18 countries. Xstrata Copper's operations and projects span eight countries: Australia, Argentina, Chile, Peru, Canada, the USA, the Philippines and Papua New Guinea. Its operations are administered by five separate divisions, based close to the mining operations, namely the North Queensland, Alumbra, North Chile, Southern Peru and Canada divisions.

Xstrata Copper is the fourth largest global copper producer with annual managed production of over one million tonnes.

Further information about Xstrata Copper can be found on the following websites:

[www.xstrata.com](http://www.xstrata.com) and [www.xstratarecycling.com](http://www.xstratarecycling.com)



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Formerly Falconbridge

## Sightseeing city tour Toronto

**2hrs guided city tour on Friday, June 6 and Saturday, June 7**

Delegates interested in this tour may book by means of the registration form.

10.00 Departure by bus from the Westin Harbour Castle  
12.00 Arrival at the Westin Harbour Castle

This tour offers an excellent introduction to Canada's largest city made up of an incredible mix of people from all over the world.



You will enjoy a good overview of Toronto featuring a drive by Toronto's harbourfront, through the financial district showing you the powerful Toronto skyline.

You will drive along the beautiful Royal Bank building with its windows coated in pure gold dust and past the famous CN Tower, the world's tallest freestanding structure at 1,815 feet. Nestled near its base is the magnificent Rogers Centre, home to some of the excellent professional sports teams and host to international shows.

You will then head north past to Yorkville – one of Toronto's trendy upscale shopping districts.



From there the tour takes you to colorful Chinatown.

The tour will conclude with a drive by of one of the city's famous landmarks – the fairy tale castle – Casa Loma (you do not go in to Casa Loma), situated in the heart of mid-town Toronto.



## Sightseeing tour to the Niagara Falls

**9hrs guided tour "The Beauty of The Falls" on Friday, June 6 and Saturday, June 7**

Delegates interested in this tour may book by means of the registration form.

09.30 Departure by bus from the Westin Harbour Castle  
18.30 Arrival at the Westin Harbour Castle

Including: The Niagara Falls, Maid of the Mist, Lunch overlooking the Falls, Free time in Niagara-on-the-Lake

Embark on this fully conducted tour to one of the natural wonders of the world – Niagara Falls. With a blend of contemporary man-made achievement and nature's own beauty and wonder, the region is truly a Canadian jewel.

Travelling towards Niagara, around the western perimeter of Lake Ontario, the beautiful Niagara Escarpment will slowly come into view. Its sheltering ridge is the reason for the area's productive



vineyards and fruit orchards yielding some of the world's finest wines, jams and fruit nectars.



Since the early 1820's, millions of visitors have been attracted to Niagara Falls. The Falls are awe inspiring – even more so aboard the historical world famous Maid of the Mist. The tour will cruise right to the base of the American Falls where you will hear the thunder of the rocks and feel a cool mist on your face. From there the boat brings you into the very basin of the magnificent Horseshoe Falls.

You will then enjoy a buffet lunch overlooking the Falls. Following lunch you will have free time in charming Niagara-on-the-Lake. Take in the scenic Niagara parkway above the Niagara Gorge as you come past luxurious country homes and vinelands. Niagara-on-the-Lake is one of the earliest British settlements in Canada and is considered to be one of the prettiest towns in Ontario.

From there the tour will bring you back to the Westin Harbour Castle.



## Exhibition

A large exhibition area will be offered to companies wishing to display their products or advertising materials.

The fees for a standard exhibition booth for the full time of the conference are:

**Booth 6m<sup>2</sup>:**  
2m x 3m / 6,5ft x 10ft **US\$ 2'500.-**  
Including 1 free conference entrance

**Booth 12m<sup>2</sup>:**  
3m x 4m / 10ft x 13ft **US\$ 4'000.-**  
Including 2 free conference entrances

Space is limited, so take your chance and book your exhibition booth today!



## Layout Exhibition







## “Meet your clients” Networking Dinner

On Wednesday, June 4, 2008 a special networking dinner will take place in the wonderful Fairmont Royal York hotel.

Don't miss this perfect possibility to meet your business partners and register to this evening now.



## Registration Fees

Registration for the conference should be made by means of the registration form. Participants registering and paying **before May 2, 2008** will benefit from a reduced registration fee. The registration fee includes conference, entrance to the exhibition, proceedings and meals.

	<b>before May 2, 2008</b>	<b>after May 2, 2008</b>
<b>Conference Fee</b>		
Fee for participants	US\$ 950.–	US\$ 1'150.–
Fee for speakers	US\$ 550.–	US\$ 650.–
Fee for universities, government & authorities	US\$ 450.–	US\$ 550.–
Networking dinner (June 4, 2008)	US\$ 90.–	US\$ 110.–
Networking dinner for accompanying persons (spouse)	US\$ 110.–	US\$ 130.–

### Plant tours on Tuesday, June 3

Tour 1: SIMS, Brampton & GEEP, Barrie	US\$ 90.–	US\$ 120.–
Tour 2: GEEP, Barrie	US\$ 50.–	US\$ 70.–
Tour 3: SIMS, Brampton	US\$ 50.–	US\$ 70.–

### Plant tours on Friday, June 6

Tour 4: Xstrata Nickel, Sudbury	US\$ 150.–	US\$ 190.–
Tour 5: Xstrata Copper, Rouyn (by plane)	US\$ 850.–	US\$ 1'050.–

### Sightseeing tours on Friday, June 6 & Saturday, June 7

City tour	US\$ 40.–	US\$ 50.–
Tour Niagara Falls	US\$ 165.–	US\$ 175.–

Registration on site US\$ 100.– surcharge

### Additional Proceedings

If it is not possible for you to attend the conference, you can purchase the complete proceedings at US\$ 250.–. Participants will get the proceedings free of charge.

### Payment

Payment should be made in US\$ by bank transfer or by credit card.  
Wire payment to:

Bank: Neue Aargauer Bank, 5400 Baden, Switzerland  
 Beneficiary: ICM AG  
 Account number: 0885-44791-72-1  
 IBAN: CH41 0588 1044 7941 7200 1  
 Clearing number: 5881  
 Swift code: AHHBCH22XXX

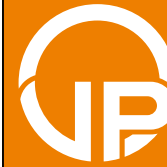


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