

Proceedings

A printed book and CD containing the presenting papers will be produced. All papers will be reviewed and edited by a technical committee prior to their final publication.

Short Course and Industrial Tours

Both a short course and industrial tour will be held in conjunction with the symposium. More details will be posted on the website.

Metals 2012 Trade Show

A Metals Trade Show will be held in conjunction with COM 2012. To reserve your booth, please contact Show Management at metsoc@cim.org.

Sponsorship Opportunities

There are several sponsorship opportunities currently available, at the Corporate and Event levels. By directly supporting this major international conference, your company will be prominently featured at the event as well as in the program handbook. For more information, contact Brigitte Farah, bfarah@cim.org



Venue & Hotel

COM will take place at the beautiful Sheraton on the Falls Hotel in the spectacular city of Niagara Falls. The Sheraton is the only hotel overlooking both the US and Canadian falls and is located steps away from the main street with its many restaurants and activities. Niagara is a destination unlike any other. From the top of Skylon Tower (775 feet up) to the base of Horseshoe Falls (188 feet down), Niagara Falls is an awe-inspiring vacation destination. The Falls give off a round-the-clock roar, a refreshing - and surprisingly far-reaching - mist, and a reminder of just how wondrous our natural world is. With its 30-plus golf courses, adrenaline-fuelled water sports and award-winning wineries, Niagara offers an array of attractions for all ages making it the ideal vacation and host city.

Organizing Committee

Charles Q. Jia
University of Toronto, Canada
cq.jia@utoronto.ca • 1-416-946-3097

Ramachandra Rao
McGill University, Canada
ram.rao@mcgill.ca • 1-514 398-4755

Veena Sahajwalla
University of New South Wales, Australia
veena@unsw.edu.au • +61 (2) 9385 4426

Etsuro Shibata
Tohoku University, Japan
etsuro@tagen.tohoku.ac.jp

Michael Sudbury
Michael P. Sudbury Consulting Services Inc., Canada
msudbury@cogeco.ca • 1-905-339-2733

Janice Zinck
Natural Resources Canada (CANMET-MMSL)
jzinck@nrcan.gc.ca • 1-613-995-4221

Show Management

The Metallurgy and Materials Society of CIM,
3500 de Maisonneuve West, Suite 1250
Westmount, Québec, Canada H3Z 3C1
Tel.: (514) 939-2710, ext. 1317 (general information)
Fax: (514) 939-2714, metsoc@cim.org

For further information about the conference or to submit an abstract visit: www.metsoc.org

51st ANNUAL CONFERENCE OF METALLURGISTS

COM 2012

NIAGARA FALLS

Sept. 30 to Oct. 3, 2012

CALL FOR ABSTRACTS

**WATER, AIR
AND LAND:
SUSTAINABILITY
ISSUES IN
MINERAL AND METAL
EXTRACTION
(WALSIM II)**

HELD IN CONJUNCTION
WITH COM 2012

www.metsoc.org

WATER, AIR AND LAND: SUSTAINABILITY ISSUES IN MINERAL AND METAL EXTRACTION (WALSIM II)

**Held in Conjunction with COM 2012
Conference of Metallurgists**

OVERVIEW: Mining, mineral and metallurgical industries have seen tremendous growth all over the globe. Extraction of metals applying various technologies, including physical separation, hydrometallurgy, pyrometallurgy, electrometallurgy and new ones from a wide range of complex raw materials generates a variety of tailings, effluents, generally classified as - wastes - and by products. Use of byproducts and processing of wastes are rapidly gaining importance both on environmental concerns as well as for economic benefits. The Symposium will bring together colleagues from industry, academia and government to share experience, build collaboration and will feature the latest technological, scientific advances and policy development on existing and emerging sustainability issues relating to water, air and land in mineral and metal extraction.

TOPICS: The Symposium will focus on five theme areas related to mining, mineral, metallurgical and petroleum industries.

Water

- Water management - treatment, recycle and usage minimization
- Tailings management - treatment, reprocessing, dewatering and immobilization
- Salt removal and resource recovery from waste waters

Air

- Abatement of greenhouse gases
- SOx and NOx emission control technologies
- VOC and PM management



Land

- Slag processing and applications
- Recycling of composite engineering materials
- Management of residues, sludges, dust and other wastes
- Mining site remediation

Metals

- Recycling of base metals
- Recovery of rare and precious metals from electronic wastes
- Heavy metal control in base metal processing

Bio and alternative technologies

- Bio and agricultural wastes utilization in metallurgical processes
- Biological processes for metallurgical waste streams
- Life cycle assessment of metallurgical processes and products

Please visit our website to submit an abstract:

www.metsoc.org

51st ANNUAL CONFERENCE OF METALLURGISTS

COM 2012
NIAGARA FALLS
Sept. 30 to Oct. 3, 2012

Call for Papers

COM 2012 will be a unique opportunity to update participants on new technological, scientific, economic and strategic trends in the industry and academia. Among the numerous attendees, there will be industry executives, representatives of universities and research institutes, students, design engineers, plant operators, policy makers, as well as metallurgical, materials, environmental and health experts from all over the world!

The Organizing Committee is inviting the submission of papers on any of the symposia themes. Abstracts should include:

1. The title of the paper.
2. An abstract of not more than 100 words.
3. Author(s) name, affiliation, complete address, email and telephone number.

Deadline for submission of abstracts:
January 31, 2012

Authors receive notification of acceptance or regret:
February 15, 2012

Deadline for submission of papers for review:
April 1, 2012

Deadline for submission
of revised papers and author registration:
June 1, 2012