



**SHERATON PARKWAY, TORONTO NORTH, RICHMOND HILL
OCTOBER 10 – 13, 2006**

TUESDAY, OCTOBER 10, 2006

08:30 – 16:30 MDEC Short Course on Diesel Technology (Markham Room)

18:00 - 20:00 CONFERENCE PRE-REGISTRATION (York B & C Foyer)

18:30 – 22:00 EXHIBIT ROOM SET UP (York B & C Foyer)

WEDNESDAY, OCTOBER 11, 2006 (York B, C and Foyer)

07:30 REGISTRATION

08:30 CONFERENCE OPENING CEREMONIES:

Welcome and Introduction, *Edward Richards (ECS), Co-chair MDEC*

Introduction of Keynote Speaker, *David Young (NRCan), Secretary MDEC*

Official Conference Opening, "The Performance Mentor: A Framework for Exceeding Your Goals", *Marnie McBean (Director of Corporate and Athlete Programs, Olympic Spirit Toronto)*

Organization, *Mahe Gangal (NRCan/CANMET-MMSL), Co-chair MDEC*

10:00 COFFEE BREAK

10:30 SESSION 1: EMISSION CONTROL TECHNOLOGIES
CHAIRPERSON: Charles Graham (CAMIRO)

DPM exposure control - An integrated approach, *G.H. Schnakenberg, Jr. (NIOSH Pittsburgh Research Laboratory)*

An overview of a retrofitting construction equipment project with emissions control technologies, *Glenn Goldstein and Michael C. Block (Emisstar LLC)*

Controlling diesel particulate matter exposures in underground metal and non-metal mining, *George P. Saseen (MSHA)*

12:00 LUNCH - introduction of sponsors (Vaughan Room)

13:00 SESSION 2: FIELD STUDIES

CHAIRPERSON: Bruce Conard (DEEP Management Board)

Impact of Stobie testing on Inco's research program, *Joe Stachulak (Inco)*

Nanoaerosols in underground mines, *Aleksandar Bugarski (NIOSH Pittsburgh Research Laboratory)*

DEEP Sunset - The conclusion of a successful program, *Bruce Conard (DEEP Management Board)*

14:30 COFFEE BREAK

15:00 SESSION 3: BIODIESEL

CHAIRPERSON: Mark Schultz (MSHA)

Biodiesel and diesel particulate matter reductions, *Richard Nelson (National Biodiesel Board)*

The effect of biodiesel fuel blends on diesel particulate filter operation, *Hannu Jääskeläinen (University of Toronto), Lisa Graham (Environment Canada), Cara Baas (Environment Canada) and James S. Wallace (University of Toronto)*

DPM control strategies in two USA underground salt mines, *E.Z. Manos (Detroit Salt Company)*

16:30 ADJOURNMENT

16:30 – 18:30 CASH BAR, RECEPTION & NETWORKING (York B & C Foyer)

THURSDAY, OCTOBER 12, 2006 (York B, C & Foyer)

08:00 REGISTRATION

08:30 SESSION 4: ENGINE TECHNOLOGIES

CHAIRPERSON: Steve Forbush (Arch Coal)

Emissions: A Primer – From None to Tier 4, *Robin Ungar, (MTU Detroit Diesel)*

Characterization of particulate matter from a three-cylinder turbocharged diesel engines, *C.K. Venkatasubbramainam, M. Krishnamurthy, A. Thiruvengadam, D.K. Carder, and M. Gautam (West Virginia University) – NOT PRESENTED*

A diesel oxidation catalyst with a low T50 properties and a wide operating temperature range, *Joseph A. Holroyd (Air Flow Catalyst Systems)*

10:00 COFFEE BREAK

10:30 SESSION 5: DIESEL PARTICULATE FILTERS & NO_x CONTROL

CHAIRPERSON: Joe Stachulak (Inco)

Testing of a Johnson-Matthey low-NO₂ DPF, *Darrick Zarlring (University of Minnesota)*

Progress in the development of a low-NO₂ CRT(R) system suitable for underground mining, *Alex Beavan, Claus Görsmann, Richard O'Sullivan, Joe Stevenson & Peter Werth (Johnson Matthey)*

Emissions performance of the longview: A combined DPF and NO_x reduction catalyst system for underground mining applications, *Bradley L. Edgar and Michael Streichsbier (Cleaire Advanced Emission Controls), Les Freeman (Cummins Emission Solutions)*

An actively regenerated diesel exhaust particulate filter, *Frank DePetrillo, Amin Saeid, and Zack Nardi (Rypos, Inc.)*

12:00 LUNCH - award of draw prizes (Vaughan Room)

13:00 SESSION 6: REGULATORY PERSPECTIVES AND GUIDANCE
CHAIRPERSON: Ted Tadrous (ECS)

MSHA's 2006 final rule on the final DPM limit for underground metal and non-metal miners, *Doris Ann Cash (MSHA)*

Comparison of the respirable combustible dust (RCD) and the NIOSH 5040 methods in metal mines and in bus Garages, *Michel Grenier (NRCan) and Brigitte Roberge (IRSST)*

DPM reductions at underground metal and non-metal mines using alternative fuels, *Mark J. Schultz, Deborah M. Tomko, and Roger L. Rude (MSHA)*

14:30 COFFEE BREAK

15:00 SESSION 7: SURFACE MINES
CHAIRPERSON: Mahe Gangal (NRCan)

Application of air pollution emissions equations to surface mining, *Jim Young (Senes Consultants)*

Practical limits for reducing ambient DPM exposure with airflow distribution, *Daniel Stinnette, Mine Ventilation Services*

16:00 SESSION 8: FINAL PLENARY CONSULTATION
CHAIRPERSON: Mahe Gangal (NRCan)

Strategic Direction of Mining Diesel Emissions Council (MDEC) Conference, *Edward Richards (MDEC Co-Chair)*

Final Plenary Consultation, *Mahe Gangal (MDEC Co-chair)*
Summary of comments from MDEC 2005
Review of MDEC 2006
Plans for MDEC 2007
Final remarks

16:30 ADJOURNMENT

FRIDAY, OCTOBER 13, 2006

ROUNDTABLE FORUM

	Room - Markham A	Room - Aurora
08:30	Engine & Vehicles - New clean engines and impact on mines - Hybrid and electrical vehicles Facilitator: JP Ouellette (Kubota)	Sampling Techniques & TLVs - Portable instruments - DPM sampling Facilitator: Michel Grenier (CANMET-MMSL)
10:00	COFFEE BREAK	COFFEE BREAK
10:30	Training & Maintenance Facilitator: Frank Voit (MASHA)	Control Technologies & Alternative Fuels Facilitator: Aleksandar Bugarski (NIOSH)
12:00	ADJOURNMENT	ADJOURNMENT