

Final Plenary Consultation  
22<sup>nd</sup> MDEC Conference

Hilton Toronto Airport Hotel

October 4- 6, 2016

David Young  
MDEC Conference, Co-Chair



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## MDEC Mission Statement

Mining Diesel Emissions Council is committed to providing a global forum for the dissemination of the latest scientific and technologically advanced research to reduce and control diesel emissions in the mining workplace environment

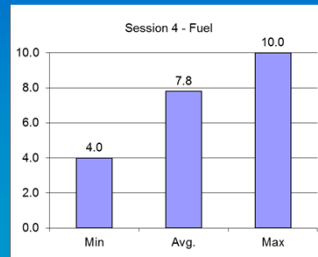
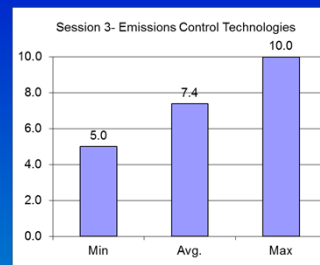
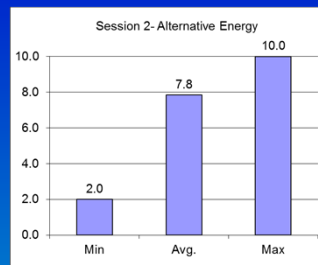
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## Summary - MDEC Conference 2015

- October 6-8, Toronto Airport Hilton Hotel
- Number of delegates registered = 115
- October 5: Field trip (Field Trip - Environment Canada's Air Quality Research Facility in Ottawa)
- October 6: Workshop (WORKSHOP- NO<sub>2</sub> and DPM Measurement Techniques)
- October 7-8: Technical Presentations
- Keynote Addresses (1. NO<sub>2</sub> Underground: What Exposure Level is Safe? Prof. Krystal Pollitt, University of Massachusetts, 2. Combustion-generated nanoparticles and their health effects, Prof. Angela Violi, Departments of Mechanical Engineering, Chemical Engineering and Biomedical Engineering, University of Michigan)
- Roundtable Form (1. Underground Mobile Equipment Regulations, 2. Alternative Fuels)

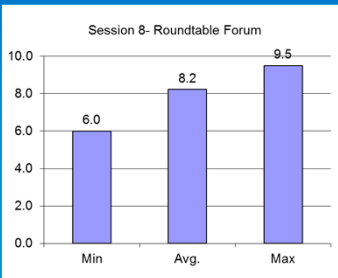
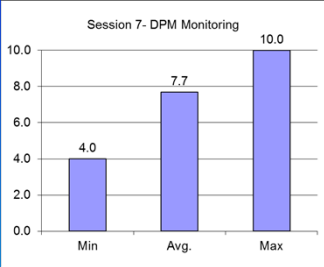
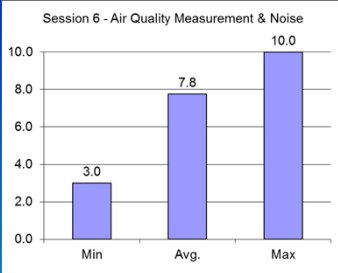
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## How useful did you find the sessions ?



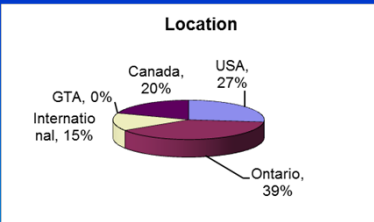
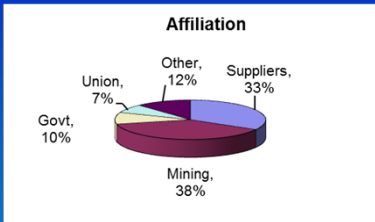
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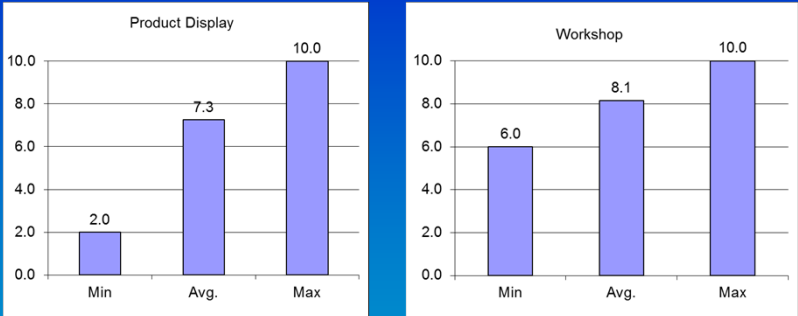
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### Delegates Affiliation & Location

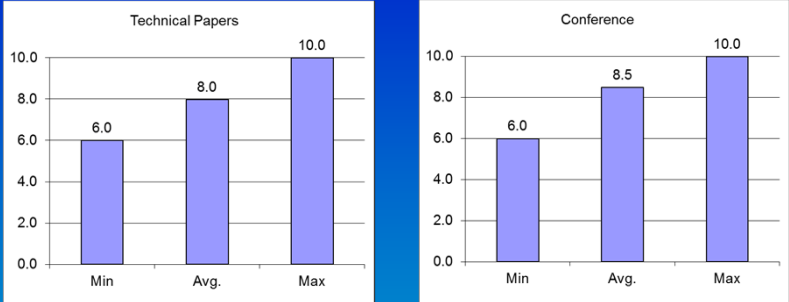


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### Product display area and workshop



### Value of Technical Papers & Conference



Please suggest the future fieldtrip ideas:

- Kirkland lake Gold (2)
- U/G mine with DPF
- Visit manufactures facilities
- R&D research Facilities

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### Comments - MDEC 2015 Survey

- I found the emission control technology session to be a little old.
- As always, very organized (3), informative and a great forum for networking; Good information on biodiesel fuels.
- I would like a little more input from engine manufacturers.
- Excellent selection of speakers
- Missing info from the PKG
- All presenters knew their subject well.

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## Comments - MDEC 2015 Survey

- Great
- Session 1 provided very nice introduction to the day.
- Alternative energy was a great topic but would benefit if and when there are more case studies/experiences at mine operations.
- Really enjoyed the workshop "hands on"
- I thought the presentation by Artisian vehicle systems was more a commercial as opposed to a technical presentation (2)
- First time attending, found the presentation very good

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## Comments - MDEC 2015 Survey

- Really appreciated the presentation from key-note speaker (1)
- Great format. It was very technical, informative.
- There was a lot of detailed info about fuel that didn't seem relevant to me.
- Alternative Energy - good to see what's coming as change.
- Sharing of success stories e.g. Arch coal is very meaningful.
- Personally, I like practical examples and how the results can be used to improve our clients fleet.
- NO<sub>2</sub> is a real concern and new lower exposure limit poses a real challenge to operations manufacturers, and workers.

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### Comments - MDEC 2015 Survey

- Great presentations this year
- The people and networking opportunities were even better - 9 out of 10 . Would attend again.
- Very informative happy I attended.
- I found the day to be helpful and to meet persons that will help me better my mine site.
- Alternative Energy - good to see what's coming as change.
- Brent is awesome at :“Teaching” and Explaining.
- The conference was very well put together. As always, very informative. Thank you.
- Would like to see MSHA more involved; Well done.

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### Comments - MDEC 2015 Survey

- I particularly enjoyed Sean McGinn presentation.
- Maybe consider total cost of ownership (TCO) and how maintenance techniques have benefitted the mines financially. What are the KPIs generally considered in TCO comparing different technologies.
- DPM monitoring (realtime) is a timely topic. Not too many exhibits this year.
- The technical papers are great, but not everyone has a PHD.
- Technical reports on health (NO<sub>2</sub> & Nano Carbon) were very well done

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## Review of MDEC Conference 2016

- Facebook, website
- Conference registration = 90
- Workshop registration = 42
- Scholarship – Two scholarships (\$2K each) awarded
- Field Visit – Kirkland Lake Gold
- Workshop – Mine Ventilation – Diesel and Alternative equipment
- Keynote - Mike MacFarlane, Gold Corp., and Donna Kirkwood, Natural Resources Canada
- Roundtable forum- (1) Current status of Alternative Power Plants, (2) GHG Standards and Regulations

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## Certification Maintenance program (CMP)

- The Board of Canadian Registered Safety Professional (CRSP) will grant Certification Maintenance Program (CMP) points for attending MDEC conference (1.0 point), and MDEC workshop (0.5 point)
- The American Board of Industrial Hygiene (ABIH) have awarded CMP points for attending MDEC conference (2.5 point) and workshop (1.0 point)

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## Plans for MDEC 2017

- Conference date - October 2 – 5, 2017
- At Hilton Toronto Airport Hotel
- More Information at [www.mdec.ca](http://www.mdec.ca)
- Need your help and suggestions:
  - Technical presentations
  - Keynote speakers
  - Workshop
  - Field trip
  - Any other ideas

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## Mahe's retirement



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## Final Remarks

- Send your suggestions to improve MDEC
- Visit mdec website at [www.mdec.ca](http://www.mdec.ca)
- Thank YOU - delegates, presenters, chairpersons, committee members, audio/video and hotel management – for a successful conference
- See you next year at MDEC 2017 Conference