

Final Plenary Consultation
24th MDEC Conference

Hilton Toronto Airport Hotel

October 2- 4, 2018

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

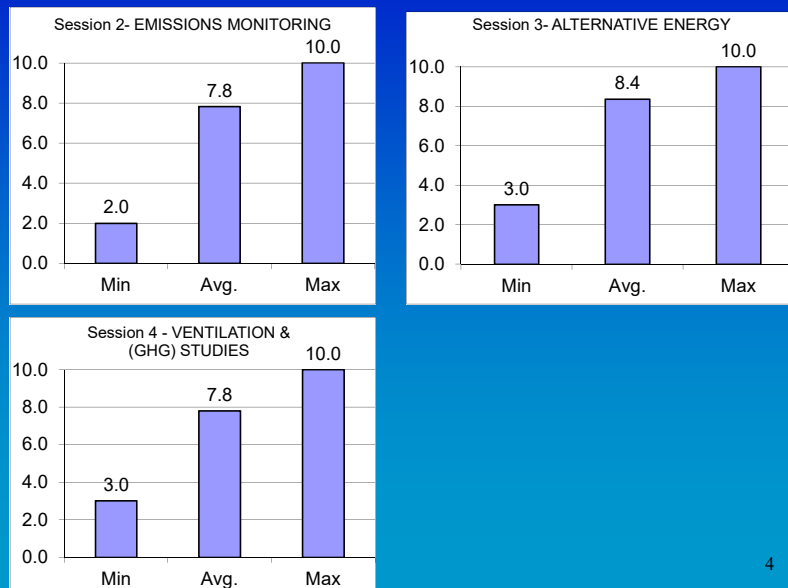
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Summary - MDEC Conference 2017

- October 3-5, Toronto Airport Hilton Hotel
- Number of delegates registered - 115
- October 5: Field trip (Field Trip - Norcat Centre)
- October 6: Workshop -Tier 4 Engine and Maintenance
- October 4-5: Technical Presentations
- Keynote Addresses (1. Leo Gerard, President United Steel Workers of America (2. The Health Impact of Engine Generated Ultrafine Particles, J. Schiltknecht (VERT, Switzerland)
- Roundtable Form (GHG Emissions, Standards and Regulations; Facilitator: Brent Rubeli (CanmetMINING)

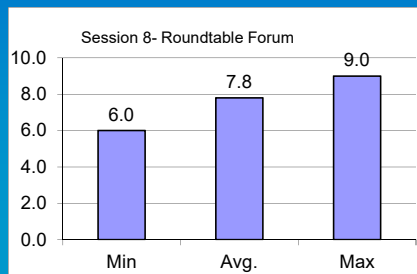
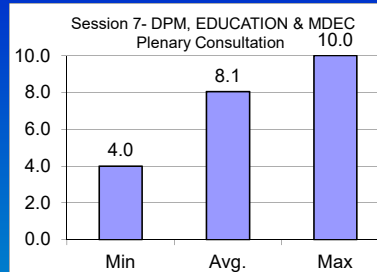
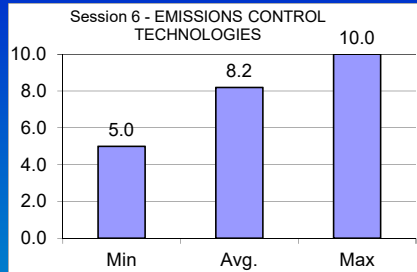
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How useful did you find the sessions ?



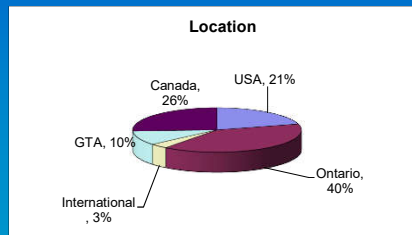
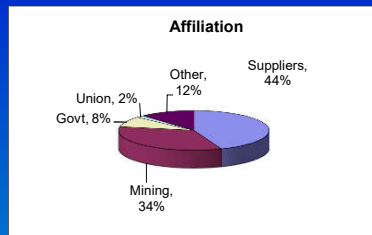
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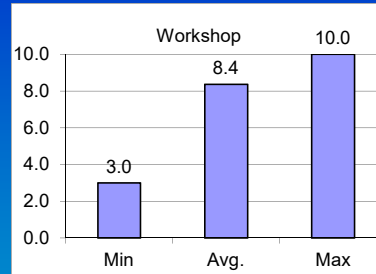
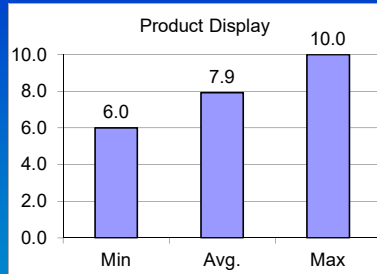
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Delegates Affiliation & Location



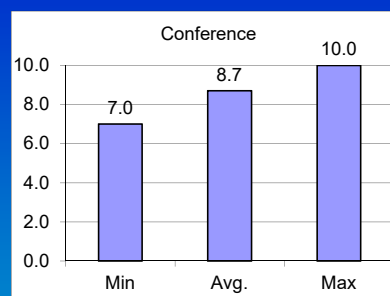
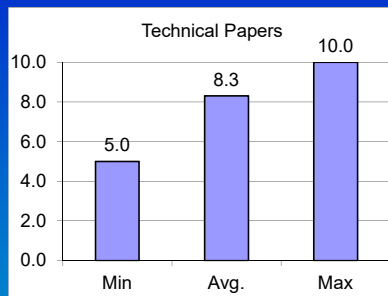
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Product display area and workshop



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Value of Technical Papers & Conference



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Please suggest the future fieldtrip ideas:

- CanmetMINING, Emissions Lab, Ottawa
- Visit engine manufactures facilities
- R&D research Facilities

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Comments - MDEC 2017 Survey

TECHNICAL

- Limits questions and remarks to one per person; Alek Bugarski presentation.
- Keep up the good work.
- More battery information please.
- As a mining company representative, I am interested in mine regulations are going and how we are going to get there. I want to be ahead of the curve, not behind it. Any and all presentations that relate to this we welcome.
- Presentations were very well delivered and compiled of beneficial information that I can utilize to improve working conditions.

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Comments - MDEC 2017 Survey

- Liked the fuel cell presentation but would like to see more about the actual equipment available and as well as safety.
- Have seen a lot of mining equipment (electrical) into the mine, but what companies are open to working with industry to develop new equipment. Is anybody looking to improve changing statistics?
- Need more representations from mining company's at conference and more representations from regulatory bodies.
- Well organized. More time for Kevin Hedges would have been helpful.
- JM handout did not match presentation

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Comments - MDEC 2017 Survey

- Need more information and discussion on technical solutions and direction the mining industry is going.
- Tier 4 or battery would be future now for mining industry.
- I would have liked to see the agenda 2 to 3 weeks prior.
- New technology focus interesting, need more representation from mines.
- Recommend you invite guest speaker that provide alternative views.
- Would meeting in Ottawa for MDEC be practical?

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Comments - MDEC 2017 Survey

MANAGEMENT

- Well organised and appreciate respecting schedule
- Great job, thank you
- It would be great to see more young people attend
- Have a longer morning session, slightly later lunch, and finish early, will give the last presenter more audience
- Printed materials can be made optional.
- Also should be double side.
- Try to get all presenters lapel Mikes; Great that all presentations will be available online. Would be especially good if key-note addresses included.

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Comments - MDEC 2017 Survey

- The presentations today were very valuable. There was good mix of practical discussion as theoretical.
- Really good informative conference. Appreciated the real-life mining examples of effectively reducing emissions.
- Canada needs more direction and consistency for how to measure health contaminants and what limits to apply to.
- Need more regulatory bodies from Canada at the conference?
- I like the idea of alternative technologies because the ultimate goal is to reduce exposure.

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Comments - MDEC 2017 Survey

- When presenters refer to Canadian DPM limits, a lot just refer to Ontario limits. This is strange since a lot of provinces follow MSHA (0.16)
- May need other shorter ppt's or more time for questions because some run OT.
- Think it is important for electric options to be presented because electrically will be the only method left to reducing dpm
- More interested in projects that have some testing or results or observations if there is a choice.

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Comments - MDEC 2017 Survey

EXHIBITS

- The exhibit was helpful, but was a little short.
- I did not get the opportunity to get to talk to all the vendors.
- This is first time at MDEC. I found it very useful, especially meeting all vendors in one place;
- Need to get more OEM presentations ex: CAT, Sandvik, etc... Increase # of booths/Exhibits. Overall very well done; Increase involvement of mines and their representatives.
- Please place coffee snacks at break time in sponsors' exhibit area.
- Have coffee breaks in exhibit hall; Large names on name tags

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Comments - MDEC 2017 Survey

- Day 3 seemed the most balanced.
- Enjoyed the contrast between mining companies and govt, OEMs.
- Source based engineering. Issues based/solutions dealing with DPM at its source.

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WORKSHOP

- Session 2 a bit repetitive of workshop
- The tier 4 workshop was helpful.
- The workshop dealt with many overlapping topics of the proceedings and could have been more practicable.
- I found the workshop on the first day too supplier oriented.
- Possibly, for younger groups or workshop, studies that compose DPM measuring equipment and performance in different environments;
- S7P2 given at workshop; some speaker don't know how long they have to present.
- Workshop next year could be on DPF technology, selection, maintenance and performance, etc...

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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 2019

- Conference date - October 1 – 3, 2019
- At Hilton Toronto Airport Hotel
- More Information at www.mdec.ca
- Need your help and suggestions:
 - Technical presentations
 - Keynote speakers
 - Workshop
 - Field trip
 - Any other ideas

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Final Remarks

- Send your suggestions to improve MDEC
- Visit mdec website at 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 2018 Conference