

Final Plenary Consultation 3rd Mining Vehicle Powertrain Conference (MVPC)

Four Points Sheraton, Toronto, Ontario, Canada

October 6th – 9th, 2025

Brent Rubeli
MDEC Conference, Co-Chair



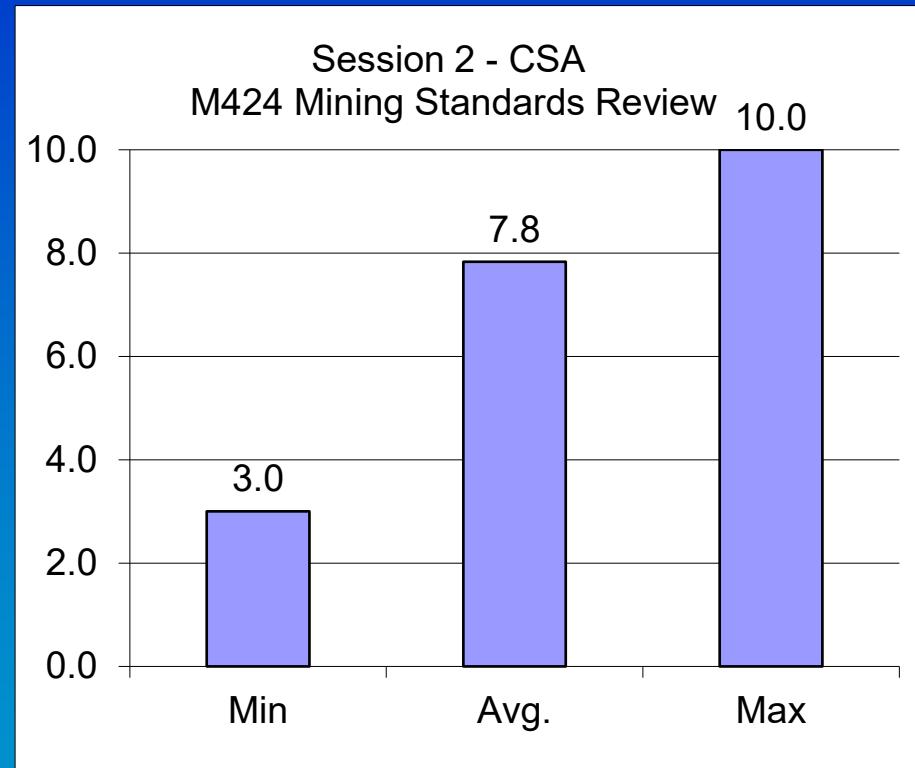
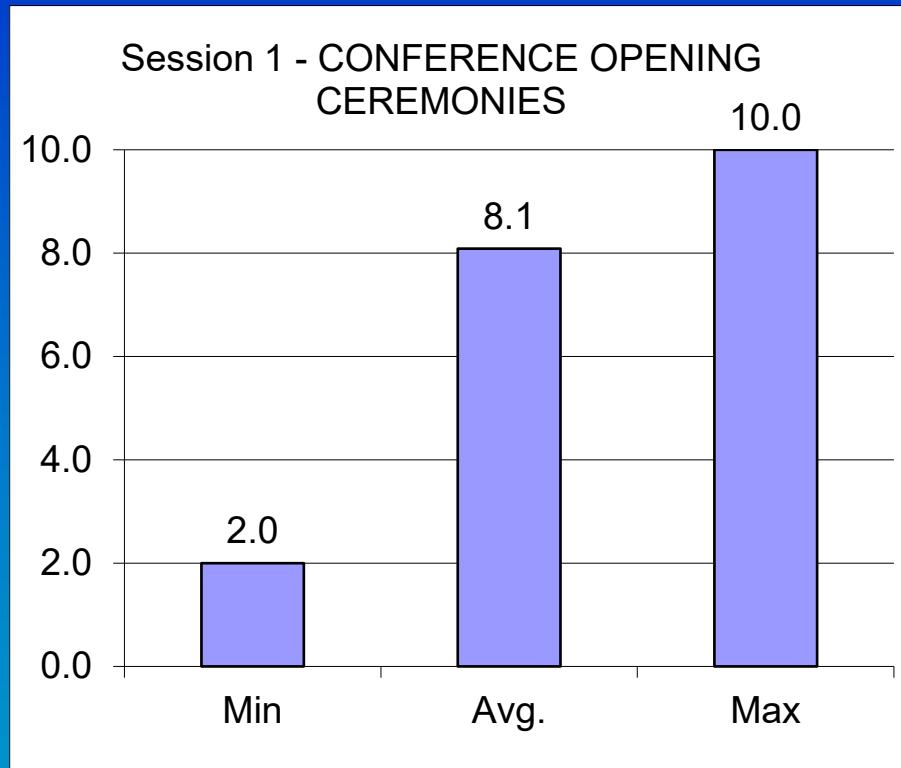
MDEC Mission Statement

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

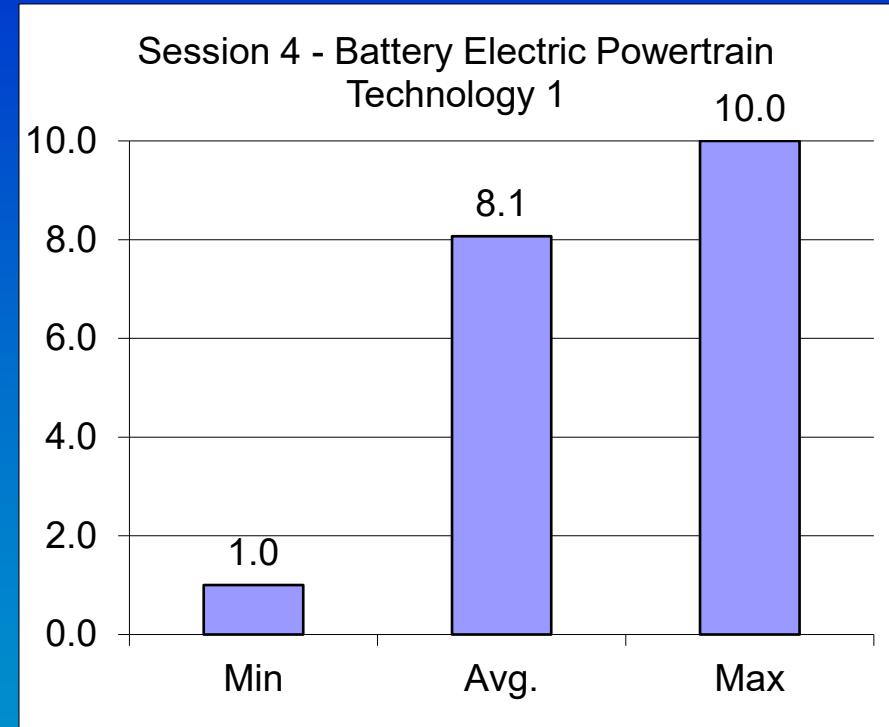
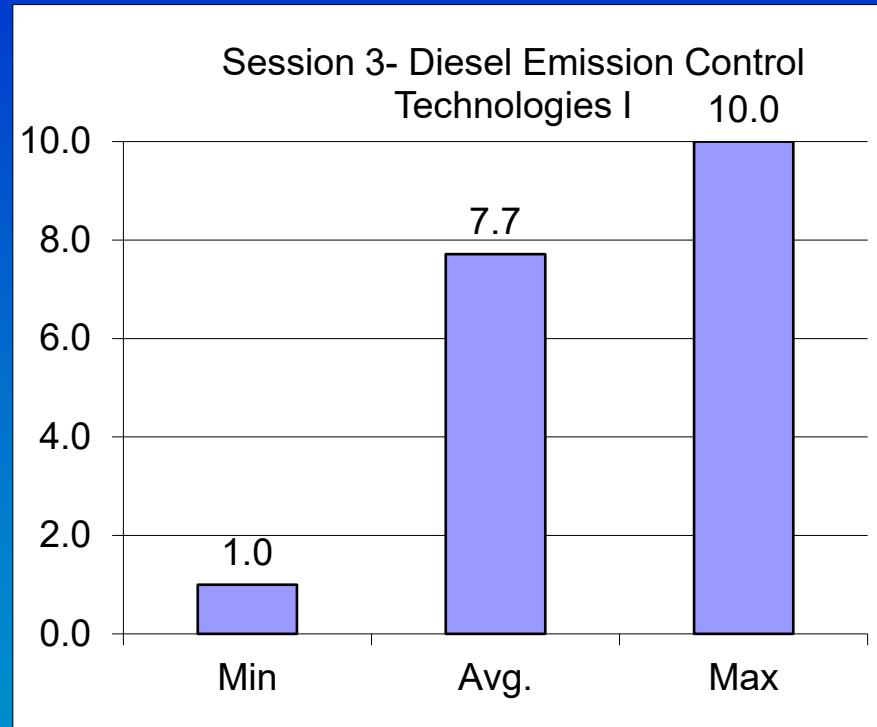
Summary - MVPC Conference 2024

- Holiday Inn Sudbury, Ontario, Canada
October 21-24, 2024
- Number of delegates registered = 105
- October 21: Field trip Technical Tour – Epiroc, Sudbury (am & pm)
- October 22-23: Technical Presentations
- October 24: Workshop: Introduction to Diesel Exhaust: Occupational Exposure; Health Effects, Measurement Control
- Keynote Address: “The Impacts of Nanoparticles on Health and Their Interaction Mechanisms with Biological Systems”. Angela Violi – University of Michigan

How useful did you find the sessions ?

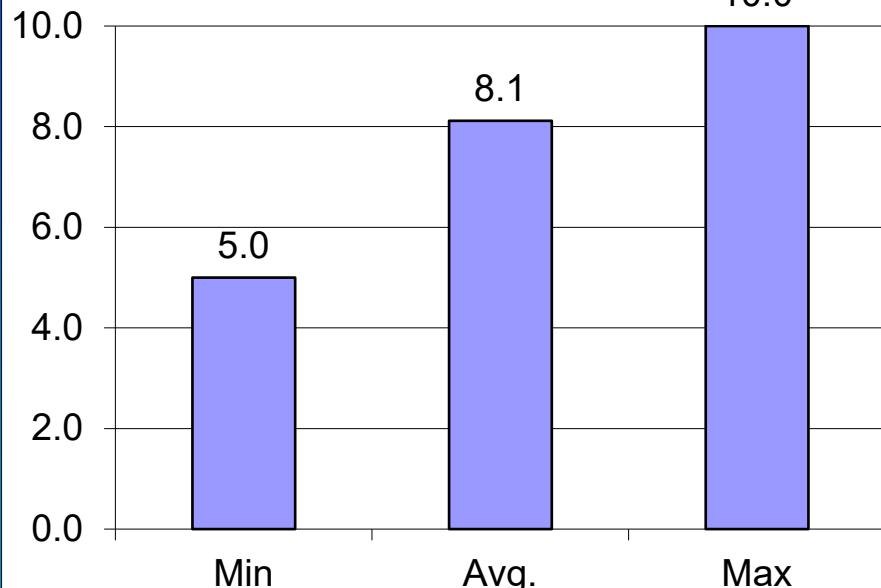


How useful did you find the sessions ?

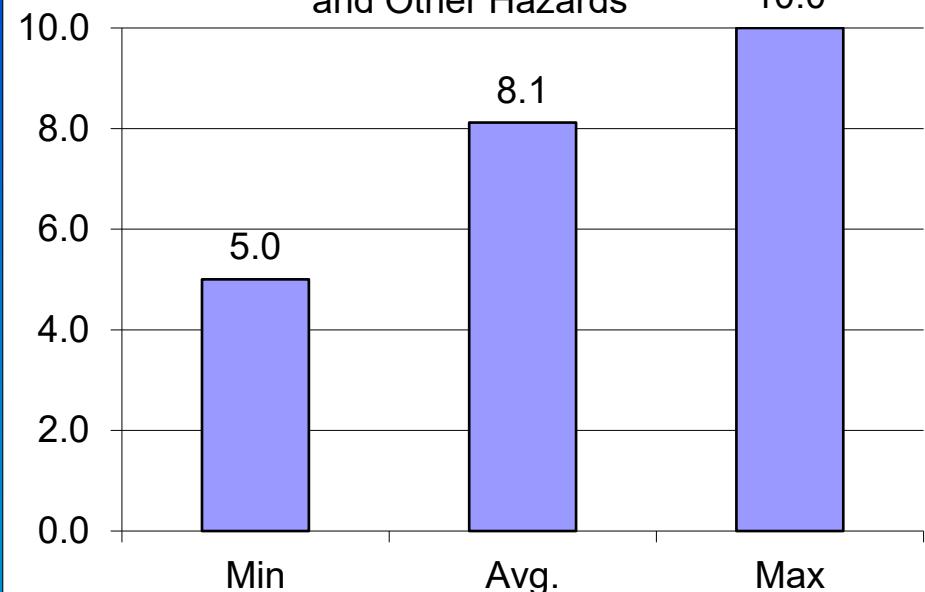


How useful did you find the sessions ?

Session 5 - Topics in Mining Machine Design

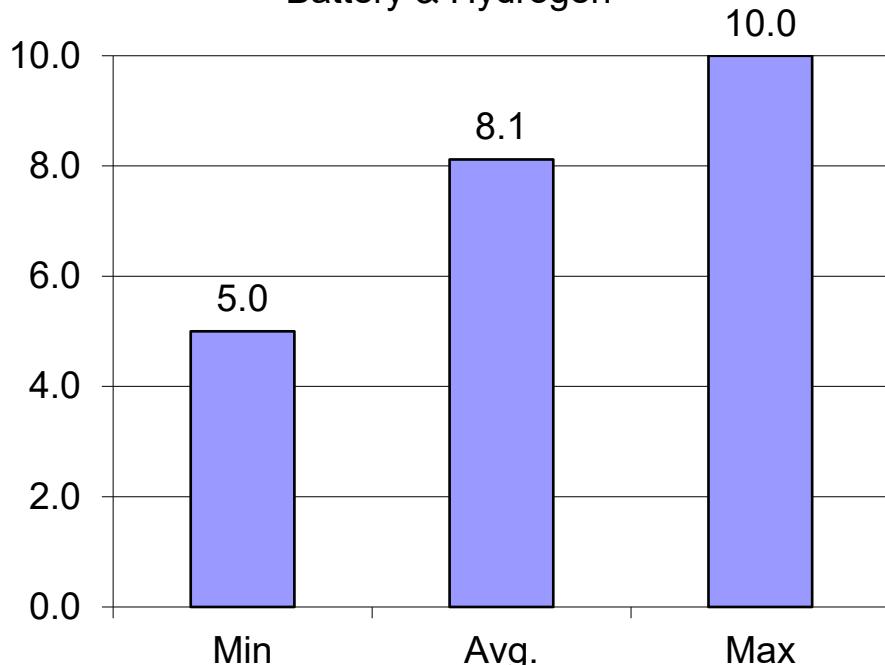


Session 6 - Measurement of and Occupational Exposure to Diesel Exhaust and Other Hazards

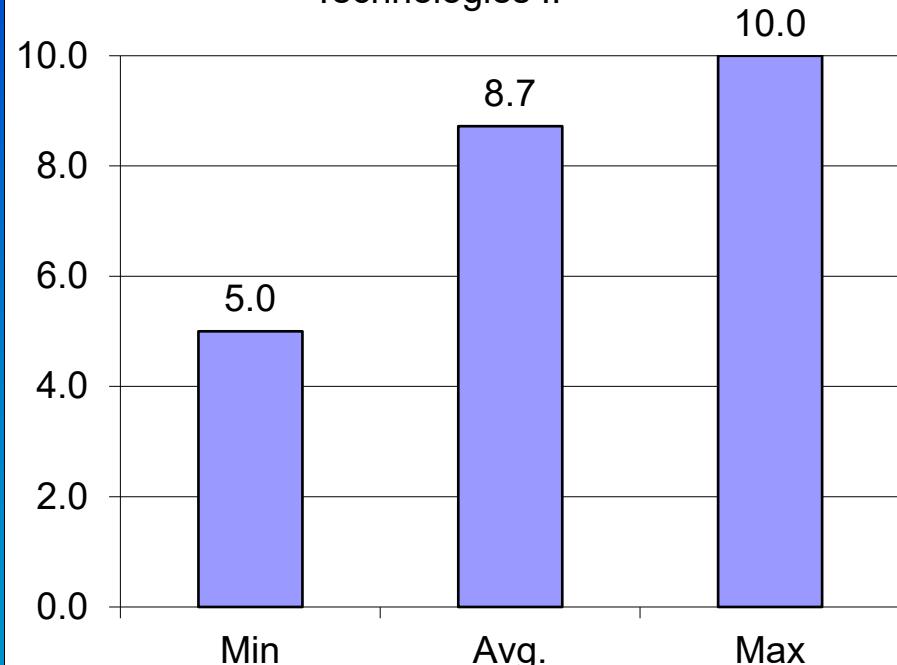


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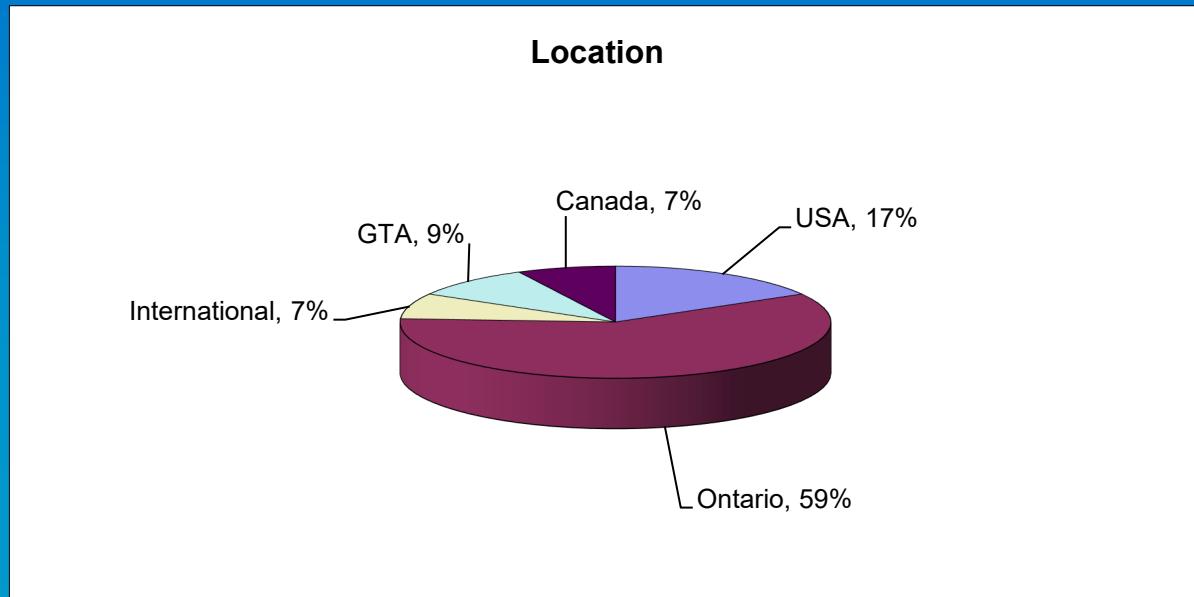
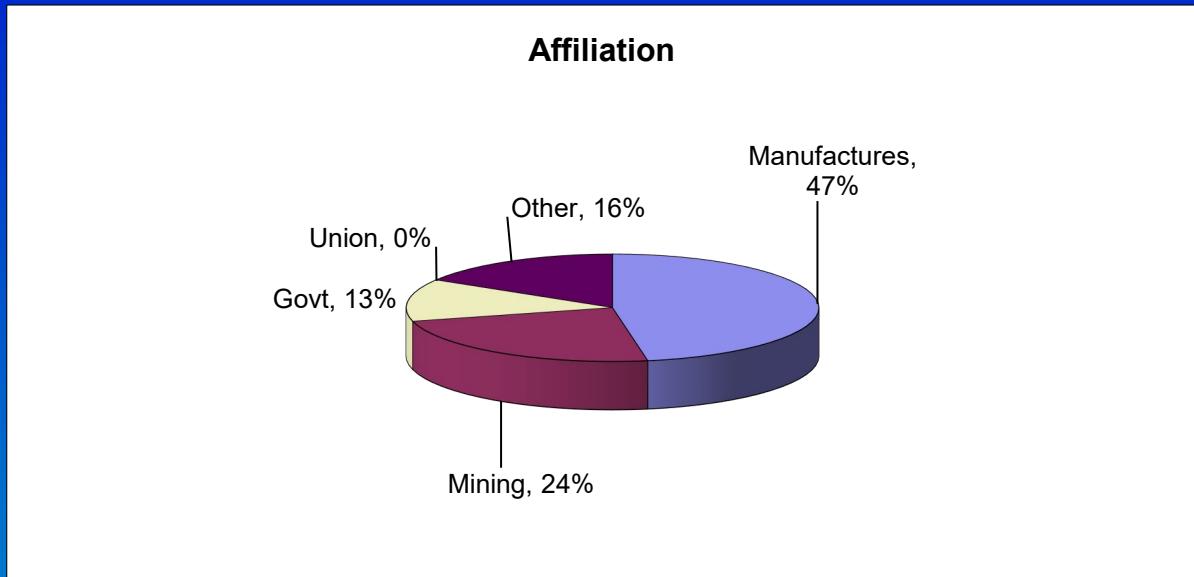
Session 7- Energy Storage Systems:
Battery & Hydrogen



Session 8- Diesel Emission Control
Technologies II

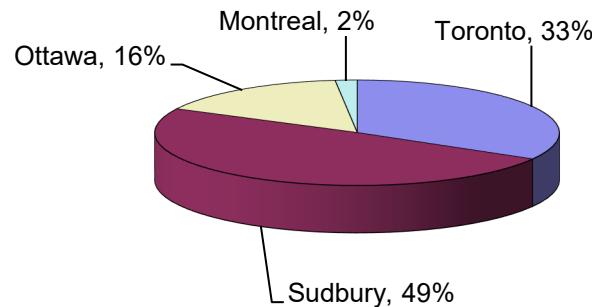


Delegates Affiliation & Location

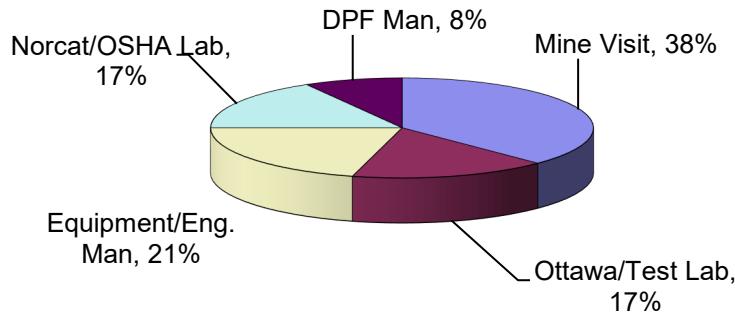


Preferred Conference Location & Field Trip

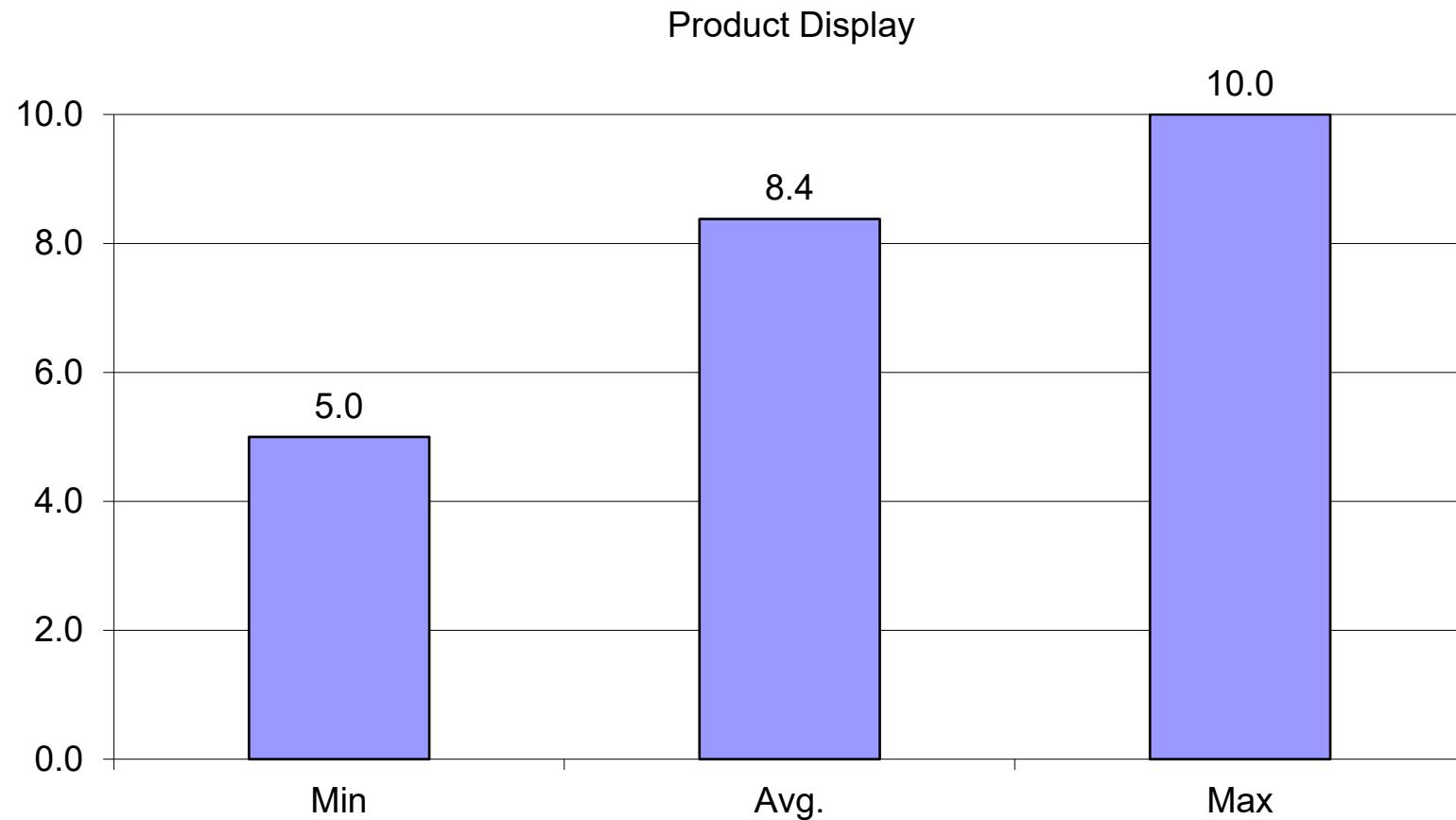
Preferred Conference Location



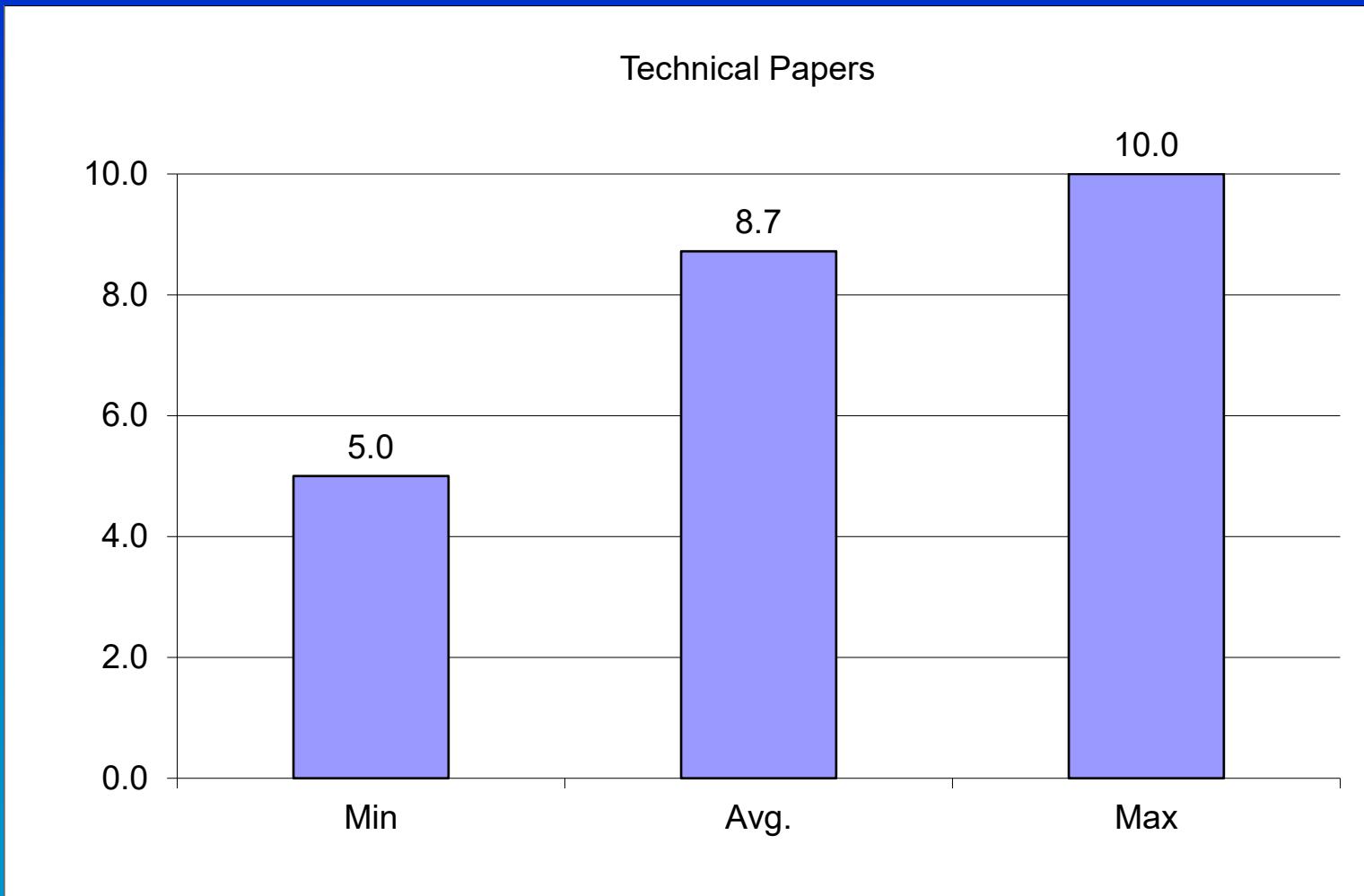
Preferred Field Trips



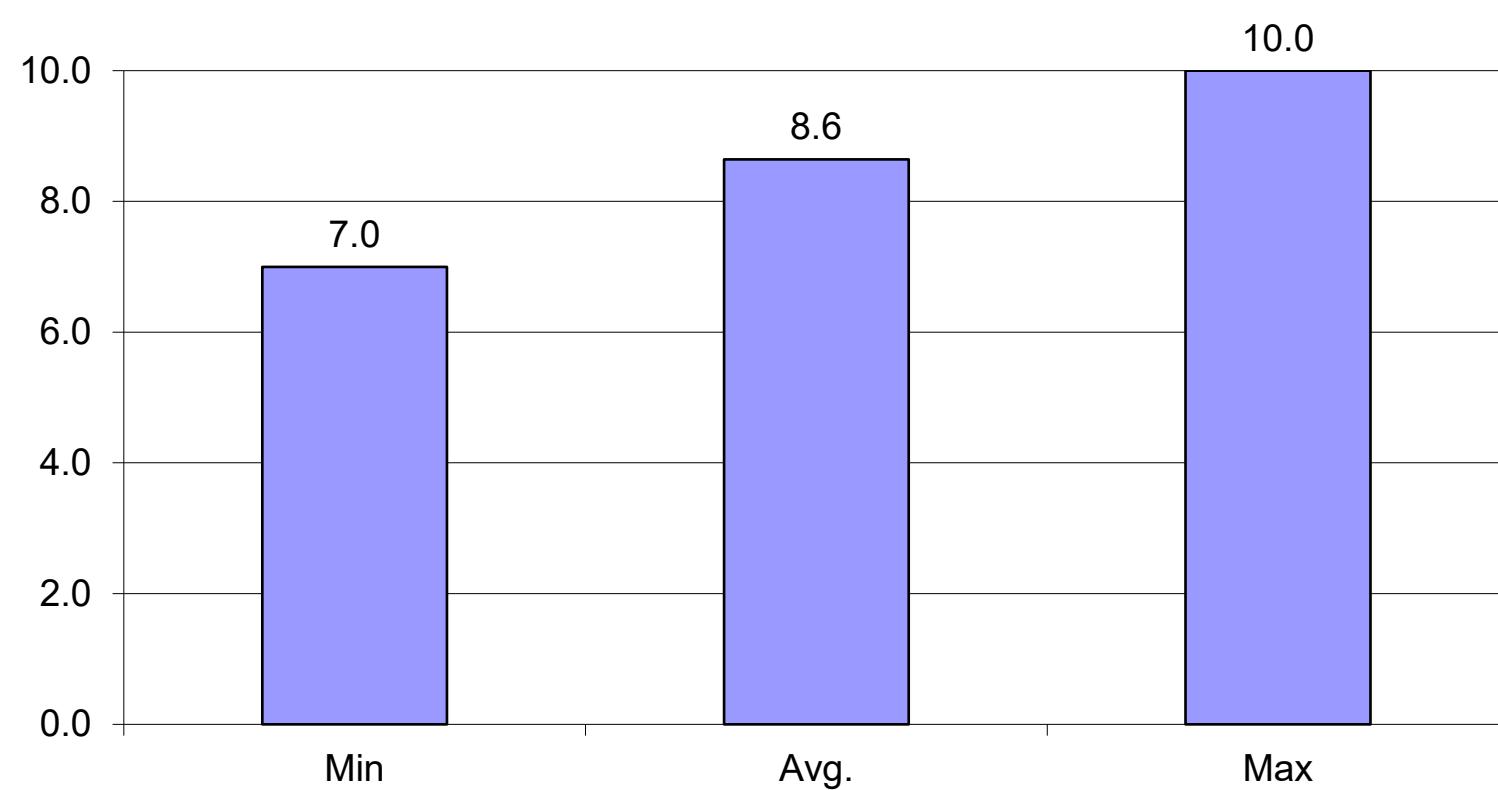
Product Display Area



Value of Technical Papers



Conference Organization



Comments - MDEC 2024 Survey

TECHNICAL

- Dr. Valli's presentation was eye opening and educational.
- The MVPC is a good conference. I think it would be good to have two different lithium battery sessions. One session could focus on the vehicles and the other on issues such as emergency response related to thermal runaway.
- More content on BEV; BEV and hydrogen are more relevant (6 BEV and 2 Hydrogen)
- Good conference overall; very interesting. Keep in mind that presentations should be kept at a level everyone can understand.
- Good Content (14)

Comments - MDEC 2024 Surveys

TECHNICAL

- Focus more innovation instead of selling product
- Interesting to hear case studies from other operations implementing DPF technologies.
- Session on standards included topics not related. Online agenda varied during the day; not fully followed in session
- Excellent technicals présentations; valuable content. More focus on BEV, H₂, renewables fuels and any other new tech would be great.

Comments - MDEC 2024 Survey

MANAGEMENT

- Perfect! Very good organized and managed.
- Great content; great value; learned a lot
- 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

HOTEL

- The conference was good except the A/C system was bit noisy (3).
- Venue was very comfortable and easy to navigate; great for learning and networking.
- Hotel is OK; food is OK but nothing special (5 -) and (2+).₁₅

Comments - MDEC 2024 Survey

HOTEL (cont.)

- Schools and hotels would be more cost effective locations for MDEC.
- Venue was very comfortable and easy to navigate; great for learning and networking.
- Small screens
- Hotel is little old.

Comments - MDEC 2024 Survey

PREFERRED LOCATION

- Good location since it is in a mining town; good hotel with nice space to hold conference, although area for networking has low ventilation.
- South end of Sudbury is not the nicest area; North end better; Second day breakfast was 2/10; lunch 1/10; loss of attendance ; mostly sponsors vendors. Know of at least 20-25 potential attendees if not in Sudbury . If in Sudbury again next year not worth coming.

Comments - MDEC 2024 Survey

PREFERRED LOCATION (cont.)

- Could make a round robin type of system to alternate locations each year.
- Good location; keep it in Sudbury
- This is the first time at the conference (I also new to the industry). I think it is largely a good location here in the mining capital of Canada

Comments - MDEC 2024 Survey

PREFERRED LOCATION (cont.)

- South end of Sudbury is not the nicest area; North end better; Second day breakfast was 2/10; lunch 1/10; loss of attendance ; mostly sponsors vendors. Know of at least 20-25 potential attendees if not in Sudbury . If in Sudbury again next year not worth coming.
- Compared to last years MVPC, this year seemed to be a lot less end users attending; however, I do not believe this is due to location. I believe the reason for this may have more to do with timing of the conference this year straight after thanksgiving week plus Minexpo may have been a higher priority for them; possibly the conference could be rotated every year between Sudbury, Ottawa, Toronto

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)

Summary - MDEC Conference 2025

- Four Points Sheraton, Toronto, Ontario, Canada, October 6th – 9th, 2025
- Number of delegates registered = TBA
- October 6-7: Technical Presentations
- October 8: Workshop: Current and Future Fuels for Mining diesel
- October 9: Canadian Standards Association (CSA)
- Keynote Address: “The Future of Heavy-Duty Diesel Engines: Must we Achieve Zero Tailpipe Emissions?”. Imad Khalek – Southwest Research Institute

Plans for MVPC 2026

- Conference date - TBA
- More Information at www.mdec.ca
- Need your help and suggestions:
 - Technical presentations
 - Keynote speakers
 - Workshop
 - Field trip
 - Any other ideas

Final Remarks

- Send your suggestions to improve MVPC
- 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 4th MVPC 2026 Conference