

Symposium on Battery Electric Vehicle Safety

Assessing health and safety considerations for new and emerging technology

September 11, 2025

8:30 – 9:00 a.m.

Arrival and check-in

9:00 – 9:15 a.m.

Opening remarks

Sam Barbuto, Workplace Safety North

9:15 – 9:45 a.m.

Managing Fire Safety of Battery Electric Vehicles in Underground Mines

Dr. Adrian Halim, Luleå University of Technology

Despite battery electric vehicles offering significant benefits compared to traditional diesel machines, BEV fires have much higher consequences in underground mines. This presentation will explore the challenges managing BEV fires, including manually extinguishing the fire, managing fire safety in battery charging bays, and key research gaps required to address these challenges.

9:45 – 10:15 a.m.

Case Study: Planning and Implementation of an Electrified Fleet

Mike Mayhew, Mayhew Performance

To successfully integrate BEVs in any mining operation, this presentation will highlight several essential key steps based on successful projects worldwide. These steps provide a roadmap for organizations looking to adopt BEVs while transitioning toward greener, more sustainable energy solutions.

10:15 – 10:45 a.m.

Networking break

10:45 – 11:00 a.m.

Remarks

Workplace Safety & Prevention Services

11:00 – 11:30 a.m.

Plugged into Safety

Sean MacCormack, Workplace Safety & Prevention Services

Ontario is quickly becoming a leader in the battery electric vehicle sector, with billions being invested by the Ontario government and global automakers. This emerging technology, however, has brought forward a variety of new hazards that many in the industry do not fully understand. This presentation will review BEV hazards, the legislation that applies to working on them, as well as gaps that have been identified in the industry.

11:30 – 12:00 p.m.

Vale Mobile Fleet Management

Raffy Tiangco, Vale Base Metals

More information coming soon.

12:00 – 1:00 p.m.

Lunch and networking break

1:00 – 2:00 p.m.

More information coming soon.

2:00 p.m.

Closing remarks

Sam Barbuto, Workplace Safety North