



Mine Rescue as a Development Tool for Young Workers

Experiences of the Laurentian University Mine Rescue Club

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Agenda

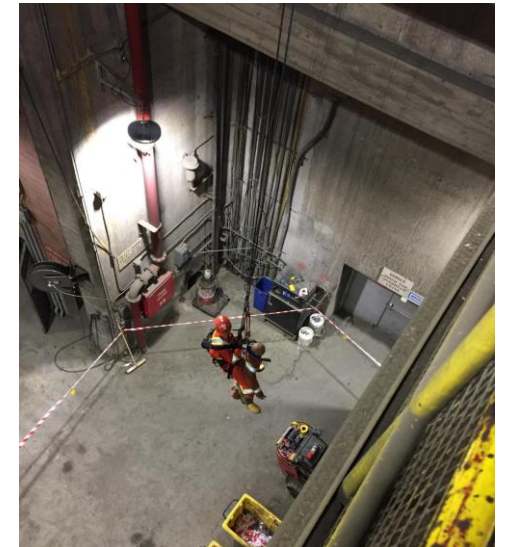
- Introduction
- Club Objectives
- History of Laurentian University Mine Rescue (**LUMR**)
- Club and Team Training
- District and International Competitions
- Entering the Industry



Student Mine Rescue Programs

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- Training post-secondary students in mining-related programs is an important component of Ontario Mine Rescue
- The training is meant to provide students entering industry with experience in mine emergency management
- Mining universities around the world form volunteer student mine rescue teams to provide students with a practical set of skills that are not covered in classes:
 - Missouri University of Science and Technology (early 1980s)
 - Colorado School of Mines (2009)
 - Freiberg University of Mining and Technology in Germany
 - University of British Columbia (2011)
 - Laurentian University (2015)



Objectives

Our goal is to expose students entering the mining industry to mine rescue and the health and safety practices used in mines around the world.

We aim to produce graduates who will prioritize health and safety and mine rescue as they enter industry and throughout their careers.

We strive to build a community of like minded individuals who will help continue to build a culture of safety in the mining industry.





History of LUMR

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LUMR was founded with help from OMR and Drager

2015

LUMR sends first team to Colorado School of Mines MERD competition winning first overall.

2017

LUMR returns to MERD and wins underground and incident command competition and comes in second in technician

2019



2016

LUMR sends first team to Sudbury Onaping District Competition

2018

LUMR receives new club room in the Cliff Fielding Engineering Building

2020

Begin preparations to bring student mine rescue competitions to Sudbury





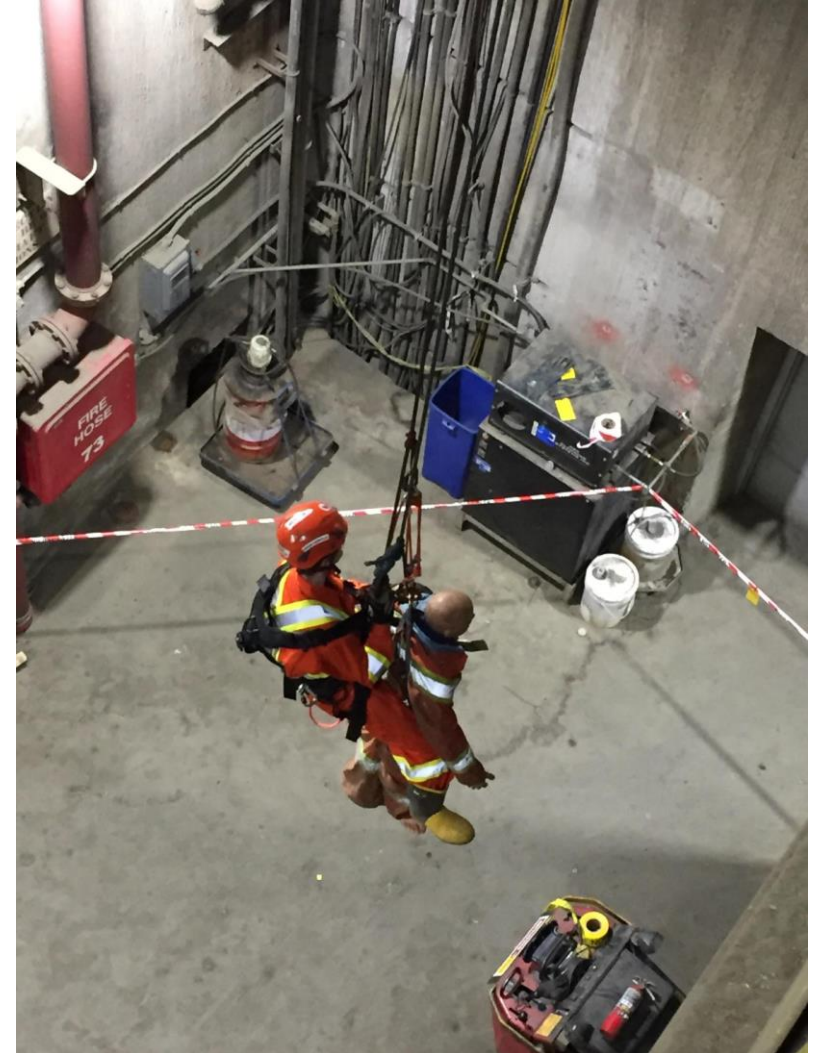
Club Training



Training

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- Weekly student led training events covering basic mine rescue principals:
 - Team safety
 - Mine rescue procedures
 - Fire fighting
 - First aid
 - Mine gases
- Weekly simulated mine emergencies led by mentors from industry and OMR
- Attend OMR training scenarios
- For many students, this is their first time underground!





Mine Rescue Community

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- Mentors come out from OMR and the three big local mining companies to prepare us for competitions
- They have spent countless Friday nights and Saturday mornings going over mine rescue basics with us
- They are role models and instill the values of Ontario Mine Rescue in all the students they train



Mentors



“This experience allows them to network and have some fun but most importantly, become familiar with the role mine rescue plays in the mining industry. These students often choose to continue in mine rescue upon graduating and leaving the club. My personal experience with club members is that they are hardworking, dedicated and driven individuals.”

- Simone Hensher, Chief Mine Engineer, Glencore Sudbury INO

“The students involved with the LU Mine Rescue program are going to be the leaders in the mining industry in the very near future. Having the background and experience of competing in both the university mining games and the Ontario Mine Rescue district competition will help them when an actual emergency takes place. Knowing what the mine rescue teams underground will be facing and how they plan on dealing with those emergencies adds an infinite amount of value when planning the response with the emergency control group. It’s been a honour and pleasure to see the progression of the program and how the students put so much effort into it each year. Save lives, fight fires.”

-
Mike Vaillancourt, Development Miner, Vale Canada Ltd.

Thank you to all who have helped.



MERD 2019

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Trainer: Scott Gillett
Bus Driver: Ethan Armit

Fundraising, Sponsorships
and Much More: Penny Pagan

Technician:

- Simone Hensher
- Paul Aho
- Gorden Sullivan
- Tim Ebbinghaus

First Aid:

- Bleir Millions
- Mike Vaillancourt
- Adam

Field:

- Mike Vaillancourt
- Julien Lalande
- Tim Ebbinghaus

Causalities:

- Georgina Coste-Ramsay
- Chelsea Sherrington
- Justin So
- Milton Chateauvert
- Henri Nguyen
- Jay Chenier
- Sara Hicks

Judges (Tryouts):

- Ethan Armit
- Julien Lalande
- Tim Ebbinghaus
- Shawn St. Louis
- Mike Vaillancourt
- Ted Hanley
- Chris Charbonneau
- Justin Whitmore



LUMR Competition Teams



District Competitions

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- Laurentian Mine Rescue Club has had the privilege of completing the last three OMR District Mine Rescue problems
- We complete the same problem under the same judging as the professional mine rescuers across the province
- To compete, students train several times a week during the exam period and delay starting work
- The experience offers incredible learning opportunities and shows students where they stand against industry professionals





2018 Sudbury-Onaping District Competition

Rope Rescue, Firefighting, and First Aid

Mine Emergency Response Development

MERD is a biennial student mine rescue competition hosted by Colorado School of Mines.

We sent 10 students to compete in first aid, technician and an underground and incident command competitions.

Competed in 2017 and 2019.





MERD 2017

International Mine Rescue Champions!



MERD 2019

First Place in Underground Incident Command and Second Place in Technician!



Stepping Into Industry



LUMR Alumni

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LUMR Alumni have gone on to work for:

- Glencore
- Tahoe Canada Resources
- Vale Canada Ltd.
- Technica Mining Group
- KGHM

LUMR members have held student positions with:

- Glencore
- Vale
- Agnico Eagle
- Kidd Operations
- Goldcorp
- Syncrude
- Kirkland Lake Gold
- McEwen Mining





LUMR Students in Industry

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"LUMR training has allowed me to become a active member of the mine rescue program at my current Co-Op placement. The training and support of WSN with training of the club members have been able to allow me to be a part of a great collection of individuals in the mining community."

-Euan Davey, McEwen Mining

"Mine Rescue has helped me in the workplace by showing me how to better identify any hazards that could cause myself or anyone else injury and what I can do to remove those hazards. It has also shown me that there are different solutions to a single problem, and together a team can find the best option and get the job done."

-Jared Lindsay, Second Year Student

Since beginning student mine rescue training at Laurentian University, several club members have participated in mine rescue training and even become active volunteers during work terms with companies across the Province.



Banner

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