



VIRTUAL EVENT

# 18<sup>TH</sup> NORTH AMERICAN MINE VENTILATION SYMPOSIUM

June 12-17, 2021

Providing mine ventilation engineers and technicians in the underground coal, metal, and industrial mineral mining industry with the latest information and operating practices from the field.

## Courses

A number of short courses will be offered at the Symposium. South Dakota Mines will provide Continuing Education certificates for licensed professional engineers for participation in the courses.

- Diesel emissions control
- Mine refrigeration and air conditioning
- Introduction to CFD modeling
- Mine dust control
- Fire modeling
- Ventilation design for deep mines
- Coal mine explosion prevention

## Topics

- Mine ventilation automation
- Ventilation planning
- Ventilation design and economics
- Spontaneous combustion
- Mine fires and explosions
- Methane and gas control
- Computer applications
- Ventilation monitoring
- Air cooling and refrigeration
- Main and booster fans
- Auxiliary ventilation
- Mine management and organization of ventilation
- Mine dust control
- Ventilation on demand
- DPM control and management
- Alternatives to diesel equipment
- Underground mine ventilation training and competence
- Controlled recirculation
- Research needs
- Coal/gas wells interaction
- And more!

## Important Dates

**February 1, 2020**

Call for abstracts

**September 30, 2020**

Abstracts due, review begins

**November 30, 2020**

Authors' notification

**February 1, 2021**

Draft Paper Peer Review

Completed/ Notices Released

**February 15, 2021**

Full Length Draft Papers Due

**February 28, 2021**

Final Program Posted

**March 5, 2021**

Final Papers due to the Editor

**June 12-17, 2021**

Technical Sessions

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**SME**  
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Mining, Metallurgy  
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