18th North American Mine Ventilation Symposium

SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY

SME Society for Mining, Metallurgy & Exploration

South Dakota Mines
Rapid City, SD

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 School of Mines and Technology 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

Technical Field Trips

- SURF Ventilation Technical Tour
- Wharf Gold Mines Tour
- Homestake Open-Cut Tour

http://namvs2021.org

Contact

Purushotham Tukkaraja, Ph.D.
Associate Professor and Graduate Program Coordinator
Department of Mining Engineering & Management
South Dakota Mines, MI 229, 501 E. Saint Joseph St., Rapid City, SD 57701
Office: 605-394-1267 | E-mail: PT@sdsmt.edu

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!

Sightseeing

- Mount Rushmore and Crazy Horse Tour
- Rapid City Tour
- SDSMT Geology Museum
- SURF Surface Facilities Tour
- Homestake Open-pit Tour

Important Dates

February 1, 2020
Call for abstracts

May 1, 2020
Abstracts due, review begins

July 1, 2020
Authors' notification

October 1, 2020
Full Length Draft Papers Due

January 31, 2021
Draft Paper Peer Review Completed/ Notices Released

February 1, 2021
Final Program Posted

March 1, 2021
Final Papers due to the Editor

June 12-16, 2021
Technical Sessions